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EPSON AcuLaser M2000/M2010 Series

User's Guide

NPD3240-00

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Features Zoran Corporation Integrated Print System (IPS) for print language emulation.
ZORAN

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Operating System Versions

In this manual, the following abbreviations are used.

Windows refers to Windows Vista, XP, Vista x64, XP x64, 2000, Server 2003, and Server 2003 x64.

- ❏ Windows Vista refers to Windows Vista Ultimate Edition, Windows Vista Home Premium Edition, Windows Vista Home Basic Edition, Windows Vista Enterprise Edition and Windows Vista Business Edition.
- ❏ Windows Vista x64 refers to Windows Vista Ultimate x64 Edition, Windows Vista Home Premium x64 Edition, Windows Vista Home Basic x64 Edition, Windows Vista Enterprise x64 Edition and Windows Vista Business x64 Edition.
- ❏ Windows XP refers to Windows XP Home Edition and Windows XP Professional.
- ❏ Windows XP x64 refers to Windows XP Professional x64 Edition.
- ❏ Windows 2000 refers to Windows 2000 Professional.
- ❏ Windows Server 2003 refers to Windows Server 2003 Standard Edition and Windows Server 2003 Enterprise Edition.
- ❏ Windows Server 2003 x64 refers to Windows Server 2003 x64 Standard Edition and Windows Server 2003 x64 Enterprise Edition.

Macintosh refers to Mac OS X.

- ❏ Mac OS X refers to Mac OS X 10.2.8 or later.

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Safety Instructions

Safety

Warnings, Cautions, and Notes

Warnings
must be followed carefully to avoid bodily injury.

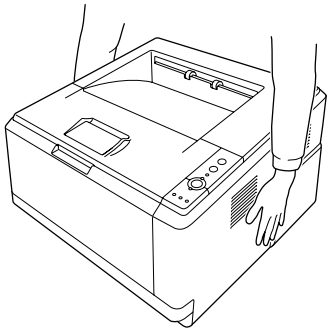
Cautions
must be observed to avoid damage to your equipment.

Notes
contain important information and useful tips on the operation of your printer.

Safety precautions

Be sure to follow the precautions carefully to ensure safe, efficient operation:

❏ Be sure to lift the printer by the correct positions as shown below.



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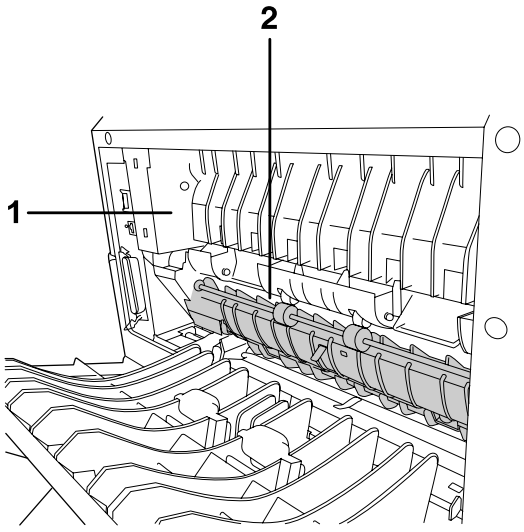
❏ Be careful not to touch the fuser, which is marked **CAUTION HOT SURFACE** or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot. If you must touch one of these areas, wait 30 minutes to allow the heat to subside before doing so.



1. **CAUTION HOT SURFACE**
2. Do not insert your hand deep into the fuser unit.

❏ Do not insert your hand deep into the fuser unit as some components are sharp and may cause injury.

❏ Avoid touching the components inside the printer unless instructed to do so in this guide.

❏ Never force the printer's components into place. Although the printer is designed to be sturdy, rough handling can damage it.

❏ When handling a toner cartridge, always place it on a clean, smooth surface.

❏ Do not attempt to modify a toner cartridge or take it apart. It cannot be refilled.

❏ Do not touch the toner. Keep the toner away from your eyes.

❏ Do not dispose of used toner cartridge or photoconductor unit in fire, as they can explode and cause injury. Dispose of them according to local regulations.

❏ If toner is spilled, use a broom and dustpan or a damp cloth with soap and water to clean it up. Because the fine particles can cause a fire or explosion if they come into contact with a spark, do not use a vacuum cleaner.

❏ Wait at least one hour before using a toner cartridge after moving it from a cool to a warm environment to prevent damage from condensation.

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- ❏ Be careful not to scratch the surface of the drum. When you remove the photoconductor unit from the printer, always place it on a clean, smooth surface. Avoid touching the drum, since oil from your skin can permanently damage its surface and affect print quality.
- ❏ To get the best print quality, do not store the toner cartridge in an area subject to direct sunlight, dust, salty air, or corrosive gases (such as ammonia). Avoid locations subject to extreme or rapid changes in temperature or humidity.
- ❏ To get the best print quality, when you temporarily remove the toner cartridge, the developer unit, and the photoconductor unit from the printer, do not expose them to room light any longer than necessary.
- ❏ Be sure to keep consumable components out of the reach of children.
- ❏ Do not leave jammed paper inside the printer. This can cause the printer to overheat.
- ❏ Avoid sharing outlets with other appliances.

Important Safety Instructions

Read all of the following instructions before operating your printer:

When choosing a place and power source for the printer

- ❏ Place the printer near an electrical outlet where you can easily plug in and unplug the power cord.
- ❏ Do not place the printer on an unstable surface.
- ❏ Do not put your printer where the cord will be stepped on.
- ❏ Slots and openings in the cabinet and the back or bottom are provided for ventilation. Do not block or cover them. Do not put the printer on a bed, sofa, rug, or other similar surface or in a built-in installation unless proper ventilation is provided.
- ❏ All interface connectors for this printer are Non-LPS (non-limited power source).
- ❏ Connect your printer to an electrical outlet that meets the power requirements of this printer. Your printer's power requirements are indicated on a label attached to the printer. If you are not sure of the power supply specifications in your area, contact your local power company or consult your dealer.
- ❏ If you are unable to insert the AC plug into the electrical outlet, contact an electrician.
- ❏ Use the type of power source indicated on the label. If you are not sure of the type of power available, consult your dealer or local power company.

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- ❏ When connecting this product to a computer or other device with a cable, ensure the correct orientation of the connectors. Each connector has only one correct orientation. Inserting a connector in the wrong orientation may damage both devices connected by the cable.
- ❏ If you use an extension cord, make sure that the total of the ampere ratings on the products plugged into the extension cord does not exceed the extension cord ampere rating.
- ❏ Unplug this printer from the wall outlet and refer servicing to a qualified service representative under the following conditions:

  A. When the power cord or plug is damaged or frayed.

  B. If liquid has been spilled into it.

  C. If it has been exposed to rain or water.

  D. If it does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

  E. If it has been dropped or the cabinet has been damaged.

  F. If it exhibits a distinct change in performance, indicating a need for service.

When using the printer

- ❏ Follow all warnings and instructions marked on the printer.
- ❏ Unplug this printer from the wall outlet before cleaning.
- ❏ Use a well-wrung cloth for cleaning and do not use liquid or aerosol cleaners.
- ❏ Do not use printer in a damp environment.
- ❏ Never push objects of any kind through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.
- ❏ Never spill liquid of any kind on the printer.
- ❏ Except as specifically explained in the printer's documentation, do not attempt to service this product yourself.
- ❏ Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and may require repair by a qualified service representative.

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Safety Information

Power cord

Caution:

- ❏ *Be sure the AC power cord meets the relevant local safety standards.*
  Use only the power cord that comes with this product. Use of the another cord may result in fire or electric shock.
  This product's power cord is for use with this product only. Use with other equipment may result in fire or electric shock.

- ❏ *If damage occurs to the plug, replace the cord set or consult a qualified electrician. If there are fuses in the plug, make sure you replace them with fuses of the correct size and rating.*

Laser safety labels

Warning:
The performance of procedures and adjustments other than those specified in the printer's documentation may result in hazardous radiation exposure.
Your printer is a Class 1 laser product as defined in the IEC60825 specifications. The label shown is attached to the back of the printer in countries where required.

Internal laser radiation

Max. Average Radiation Power:	10 mW at laser aperture
Wavelength:	775 to 800 nm

This is a Class III b Laser Diode Assembly that has an invisible laser beam. The printer head unit is NOT A SERVICE ITEM, therefore, the printer head unit should not be opened under any circumstances. An additional laser warning label is affixed to the inside of the printer.

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Ozone safety

Ozone emission

Ozone gas is generated by laser printers as a by-product of the printing process. Ozone is produced only when the printer is printing.

Ozone exposure limit

The recommended exposure limit for ozone is 0.1 parts per million (ppm) expressed as an average time-weighted concentration over an eight (8) hour period.
The Epson laser printer generates less than 0.1 ppm for eight (8) hours of continuous printing.

Minimize the risk

To minimize the risk of exposure to ozone, you should avoid the following conditions:

- ❏ Use of multiple laser printers in a confined area
- ❏ Operation in conditions of extremely low humidity
- ❏ Poor room ventilation
- ❏ Long, continuous printing together with any of the above

Printer location

The printer should be located so that the exhaust gases and heat generated are:

- ❏ Not blown directly into the user's face
- ❏ Vented directly out of the building whenever possible

Power On/Off Cautions

Do not turn off the printer:

- ❏ While the **Ready** light is flashing.
- ❏ While the **Data** light is on or flashing.
- ❏ While printing.

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Chapter 1

Getting to Know Your Printer

Where to Find Information

Setup Guide

Provides you with information on assembling the printer and installing the printer software.

User's Guide (this manual)

Provides you with detailed information on the printer's functions, optional products, maintenance, troubleshooting, and technical specifications.

Network Guide (only for the DN model)

Provides network administrators with information on both the printer driver and network settings.You need to install this guide from the Network Utilities CD-ROM* to your computer's hard disk before referring it.

*The Network Utilities CD-ROM may not be included with the product in some countries or regions. In this case, you can install the Network Guide from the Software CD-ROM.

Font Guide

Provides you with information on fonts used on the printer. You need to copy this guide, or you can open it directly from following directory on the software CD-ROM.
For Windows: /COMMON/MANUAL/ENG/FNTG
For Macintosh: MANUAL:ENG:FNTG

Online Help for printer software

Click **Help** for detailed information and instructions on the printer software that controls your printer. Online help is automatically installed when you install the printer software.

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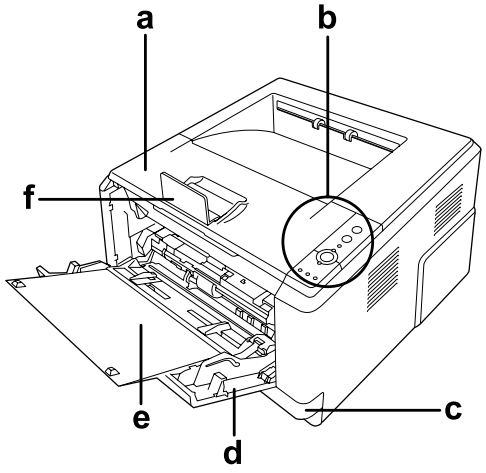
Printer Parts

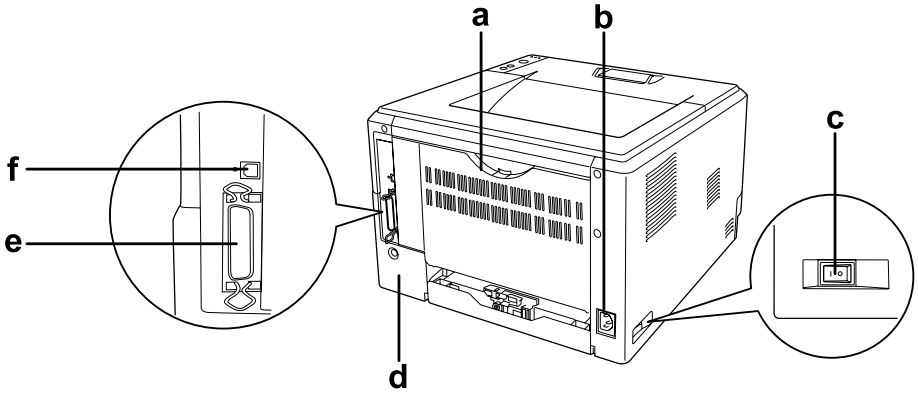
Front view



a. top cover (cover A)
b. control panel
c. standard lower paper cassette
d. MP tray (Multi-Purpose tray)
e. subtray
f. stopper

Rear view

D model



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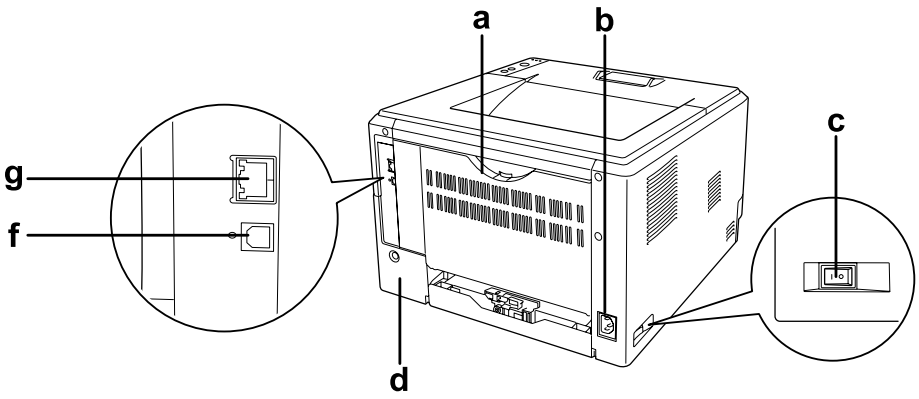
DN model



a. rear cover
b. AC inlet
c. power switch
d. option cover
e. parallel interface connector (only for the D model)
f. USB interface connector
g. network interface connector (only for the DN model)

Note:
This manual uses D model as an example of the rear view illustrations.

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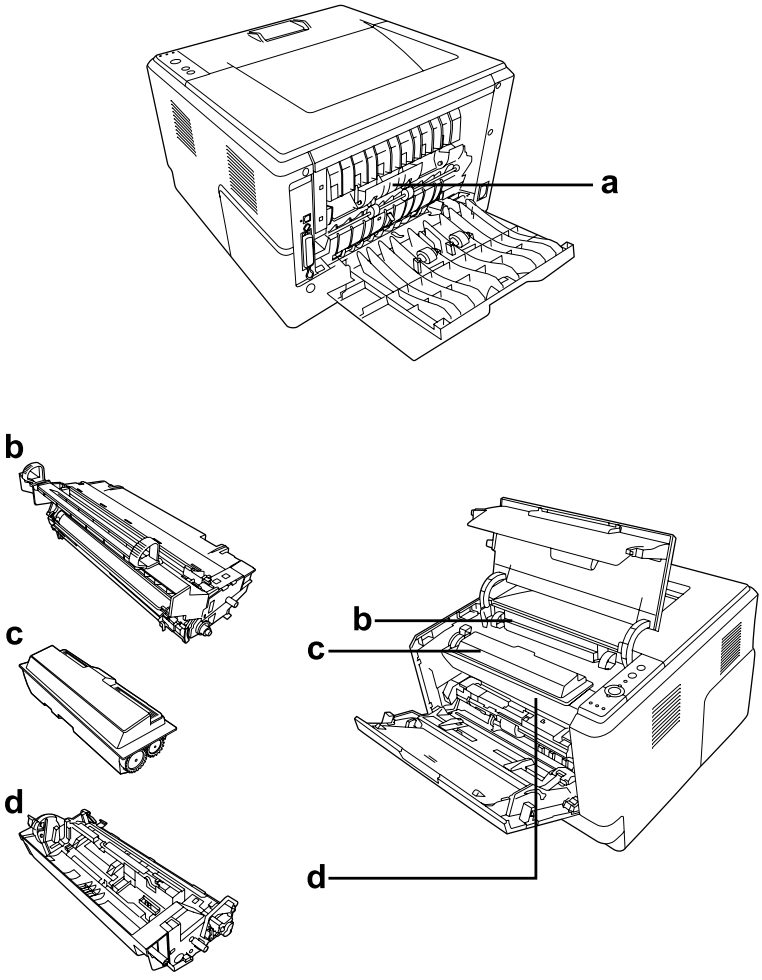
Inside the printer



a. fuser unit
b. photoconductor unit
c. toner cartridge
d. developer unit

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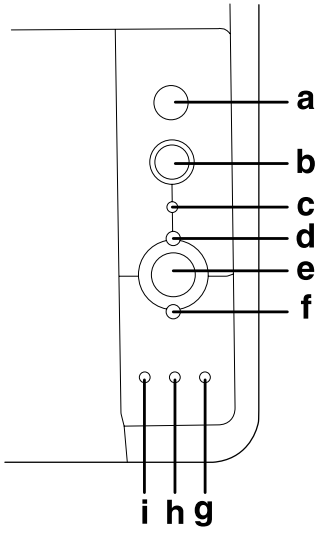
Control panel



a.	**Information** button	Prints status sheets when the Error light is off and no warning is indicated. Prints a status sheet when pressed once. If your printer is a DN model, pressing this button for more than two seconds prints a network status sheet. Clears the warning when a warning is indicated.
b.	**Job Cancel** button	Press once to cancel the current print job. Press and hold for more than two seconds to delete all jobs from the printer memory.
c.	**Data** light (Green)	On when print data is stored in the print buffer (the section of printer memory reserved for receiving data) but not yet printed. Flashes when the printer is processing data. Off when no data remains in the print buffer.
d.	**Ready** light (Green)	On when the printer is ready, indicating that the printer is ready to receive and print data. Off when the printer is not ready. This light also comes on in combination with other lights to indicate error situations.
e.	**Start/Stop** button	Switches the printer between ready and offline status.
f.	**Error** light (Orange)	On or flashes when an error has occurred.
g.	**Paper** light (Orange)	Turns on or flashes, and when in combination with the Error light, usually indicates a paper-related problem. On usually indicates a paper jam, while flashing usually indicates a paper-related error or warning, such as when the paper source is empty.

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h. **Toner** light (Orange) — On when the printer's toner cartridge has run out of toner. Flashes to indicate that toner is running low. If this light is flashing, have a new toner cartridge ready.

i. **Memory** light (Orange) — Usually turns on or flashes in combination with other lights to indicate a memory-related error or warning.

Options and Consumable Products

Options

You can add to your printer's capabilities by installing any of the following options.

- 250-sheet Paper Cassette Unit (C12C802461)
  This unit increases paper feeding capacity up to 250 sheets of paper. You can install up to two units.

- Memory Module
  This option expands the printer's memory by allowing you to print complex and graphics-intensive documents. The printer's RAM can be increased up to 288 MB (320 MB for the DN models) by adding one additional 64, 128 or 256MB 90 pin SDRAM DIMM.

  Note:
  Make sure that the DIMM you purchase is compatible with EPSON products. For details, contact the store where you purchased this printer or an EPSON qualified service representative.

Consumable products

The life of the following consumable products is monitored by the printer. The printer lets you know when replacements are needed.

Product name	Product code
High Capacity Toner Cartridge	0435/0439
Standard Capacity Toner Cartridge	0436/0440
Return High Capacity Toner Cartridge	0437/0441
Return Standard Capacity Toner Cartridge	0438/0442

Note:
- *Toner cartridge part numbers vary by location.*

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❑ *Return toner cartridges are not sold in some areas.*

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Chapter 2

Printing Tasks

Loading Paper into Your Printer

This section describes how to load paper. If you use special media such as transparencies or envelopes, see also "Selecting and Using Print Media" on page 29. For specifications or details about the paper types and sizes, see "Paper" on page 153.

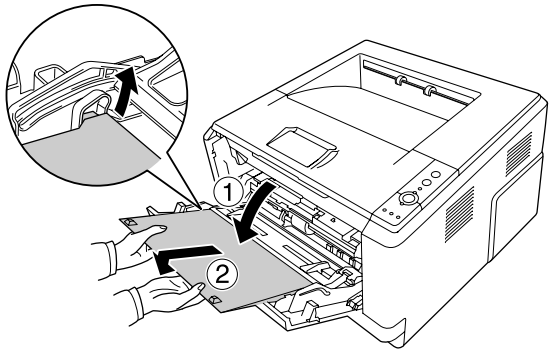
Note:
After you load papers, make sure to set the paper size/paper type in the Printer Settings dialog in the printer driver. Otherwise, paper may not feed properly.

MP tray

The MP tray (Multi-purpose tray) is the paper source that is available for various types of paper, such as labels, envelopes, thick paper, and transparencies.

Note:
To load envelopes, see "Envelopes" on page 30.

1. Open the MP tray, then pull the subtray out.



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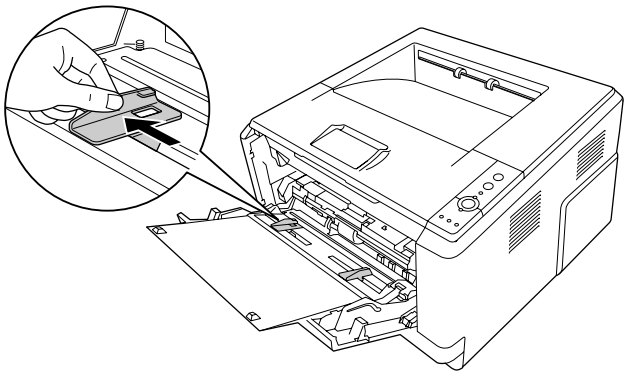
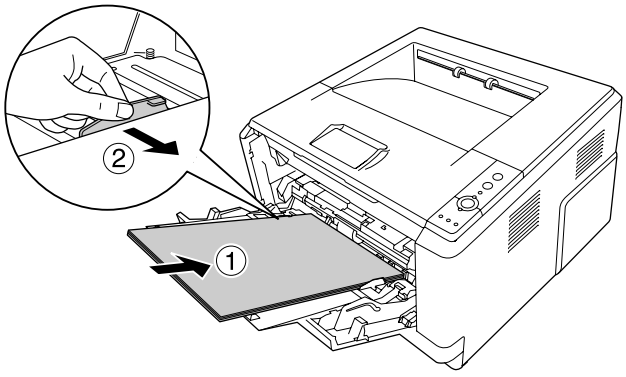
2. Slide the paper guides outward to accommodate the paper you are loading.

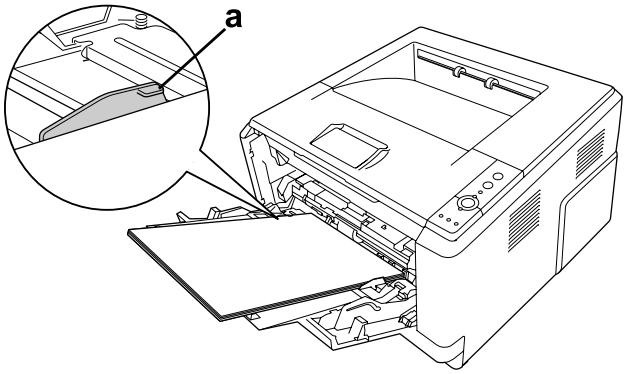


3. Load a stack of the desired paper on the center of the paper tray with the printable surface facing up. Then adjust the paper guide to the size of the paper.



Note:

- ❏ *Make sure to load the paper as far as it will go inside the MP tray.*
- ❏ *Make sure that you do not load paper beyond the limit tab.*



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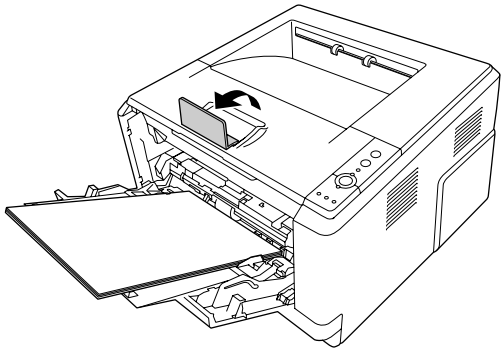
a. limit tab

4. Raise the stopper.

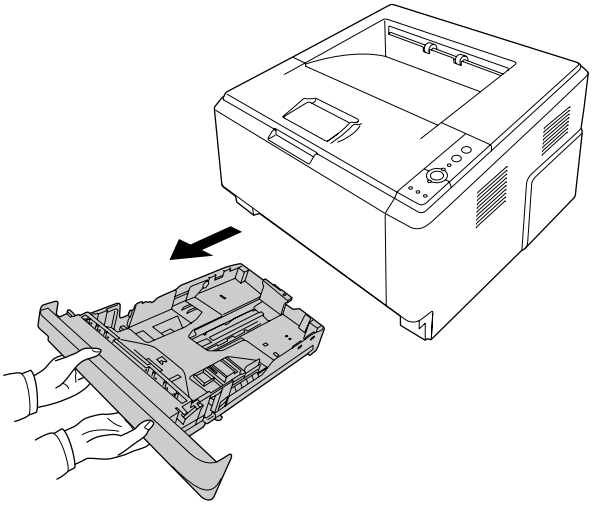


Note:
When you use the paper that is longer than A4 size, do not raise the stopper. To prevent printouts from being stacked and pushed out of the output tray, every time the printer ejects a couple of the printouts, remove them from the tray.

Lower Paper Cassette Unit

This cassette gives you a second paper source in addition to the MP tray.

1. Pull the paper cassette out from the unit.



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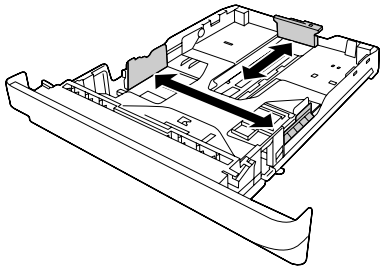
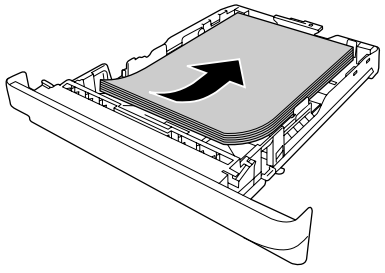
2. Pinch the tab and slide the paper guides to the size of paper.

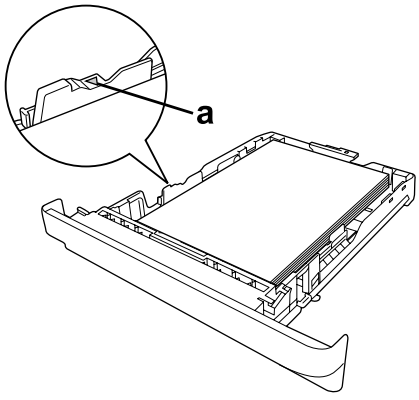


3. Load a stack of the desired paper on the center of the paper cassette with the printable surface facing down.



Note:

❏ *Make sure that you do not load paper beyond the limit mark.*



a. limit mark

❏ *Load letterheads with the printable side facing down and with the letterhead portion at the top.*

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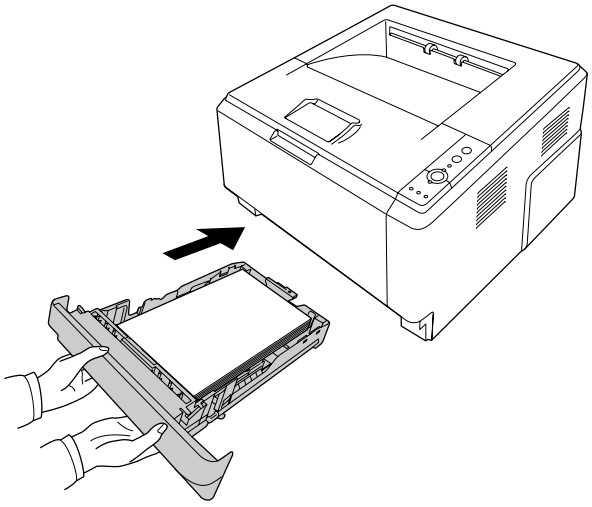
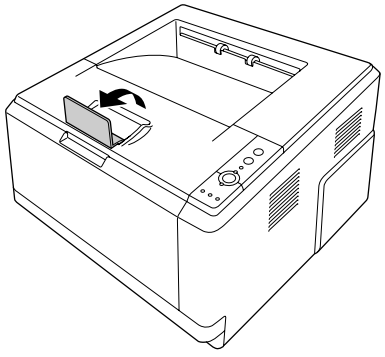
4. Insert the loaded paper cassette back into the unit.



5. Raise the stopper.



Note:
When you use the paper that is longer than A4 size, do not raise the stopper. To prevent printouts from being stacked and pushed out of the output tray, every time the printer ejects a couple of the printouts, remove them from the tray.

Selecting and Using Print Media

You can use special media, such as labels, envelopes, thick paper, and transparencies.

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Note:
Since the quality of any particular brand or type of media may be changed by the manufacturer at any time, EPSON cannot guarantee the quality of any type of media. Always test samples of media stock before purchasing large quantities or printing large jobs.

Labels

Available labels:

- ❏ Labels designed for laser printers or plain-paper copiers
- ❏ Labels that completely cover the backing sheet, with no gaps between the individual labels

Available paper source:

- ❏ MP tray

Printer driver settings:

Paper Size:	A4, LT
Paper Source:	MP tray
Paper Type:	Labels

Note:
- ❏ *Depending on the quality of labels, the printing environment, or the printing procedure, labels might be wrinkled. Make a trial print run before you print on a lot of labels.*
- ❏ *Duplex printing is not available for labels.*
- ❏ *Press a sheet of paper on top of each sheet of labels. If the paper sticks, do not use those labels in your printer.*

Envelopes

Available envelopes:

- ❏ Envelopes that have no glue or no tape

Cautions
Do not use any window envelope other than the ones designed for laser printers. The plastic on most window envelopes will melt.

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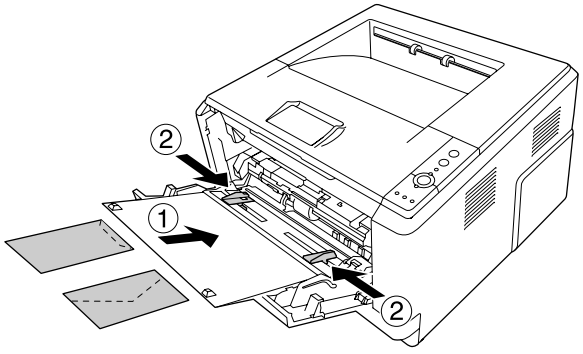
Available paper source:

❏ MP tray



Printer driver settings:

Paper Size: MON, C10, DL, C5, C6, IB5

Paper Source: MP tray

Note:

❏ *Set the envelope with the printable surface facing up.*

❏ *Depending on the quality of envelopes, the printing environment, or the printing procedure, envelopes might be wrinkled. Make a trial print run before you print on a lot of envelopes.*

❏ *Duplex printing is not available for envelopes.*

Thick paper

Available paper source:

❏ MP tray

Printer driver settings:

Paper Size: A4, A5, B5, LT, EXE

Paper Source: MP tray

Paper Type: Thick (121 to 220 g/m² paper)

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Semi-thick paper

Available paper source:

- ❏ MP tray
- ❏ Standard lower paper cassette
- ❏ Optional paper cassette

Printer driver settings:

Paper Size:	A4, A5, B5, LT, EXE
Paper Source:	Auto Selection
Paper Type:	Semi-Thick (91 to 120 g/m² paper)

Transparencies

Available paper source:

- ❏ MP tray

Printer driver settings:

Paper Size:	A4, LT
Paper Source:	MP tray
Paper Type:	Transparency

Custom paper size

Available paper size:

- ❏ 70.0 × 148.0 mm to 215.9 × 356.0 mm

Available paper source:

- ❏ MP tray

Printer driver settings:

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Paper Size:	User Defined Size
Paper Source:	MP tray
Paper Type:	Normal, Semi-Thick, or Thick

Note:
Depending on the quality of the non-standard size paper, the printing environment, or the printing procedure, the paper might skew. Make a trial print run before you print on a lot of non-standard size paper.

Note:

- *For Windows, access the printer driver, then select **User Defined Size** from the Paper Size list on the Basic Settings tab. In the User Defined Paper Size dialog box, adjust the Paper Width, Paper Length, and Unit settings to match your custom paper. Then click **OK** and your custom paper size will be saved.*
- *The saved paper sizes can only be used with the printer driver you saved them to. Even if multiple printer names are set for a printer driver, the settings can be available only for the printer name in which you saved the settings.*
- *When sharing the printer on a network, you cannot create User defined size at the client.*
- *For Mac OS X 10.2 or 10.3, follow the steps below to save your custom paper size.*
  1. Open the Page Setup dialog box.
  *2. Select **Custom Page Size** from the Settings drop-down list.*
  *3. Click **New**.*
  *4. Enter the setting's name and specify the paper size, and then click **OK**.*
- *For Mac OS X 10.4, follow the steps bellow to save your custom paper size.*
  1. Open the Page Setup dialog box.
  *2. Select **Manage Custom Sizes** from the Paper Size drop-down list.*
  3. Click + .
  4. Double-click Untitled and enter the setting's name.
  *5. Specify the paper size and click **OK**.*

Cancelling a Print Job

From the printer

Press the **Cancel Job** button on the printer's control panel.

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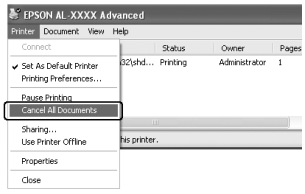
From the computer

For Windows users

Double-click your printer's icon on the taskbar. Select the job in the list, then click **Cancel** from the Document menu.



For Mac OS X users

Open **Printer Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2) and double-click your printer from the print queue. Then, select **Delete Job** from the jobs menu.

Setting the Print Quality

You can change the print quality of printouts through settings in the printer driver.

In the Automatic setting, you can select a print mode according to your printing purpose. The printer driver makes optimal settings depending on the print mode you have selected. In the Advanced setting, you have more setting options.

Note:
The printer driver's online help provides details on printer driver settings.

Note for Macintosh users:
Maximum cannot be selected from the Automatic settings. Select Advanced settings to select Maximum.

Using the Automatic setting

For Windows users

1. Click the **Basic Settings** tab.

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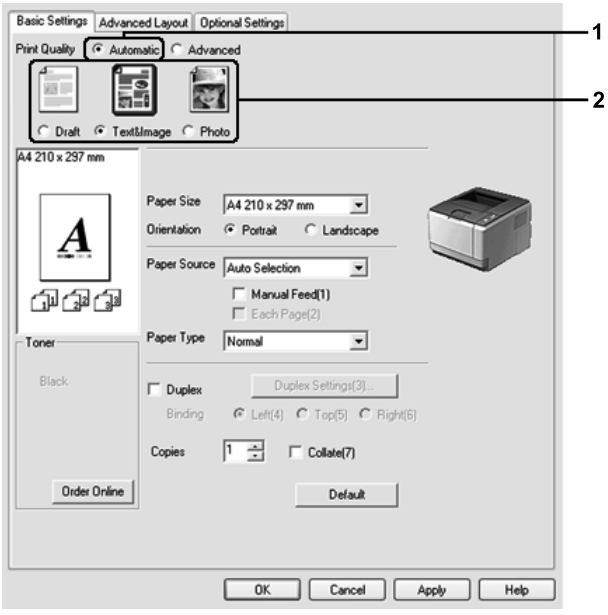
2. Select **Automatic**, then choose desired printing quality.



3. Click **OK**.

For Mac OS X users

1. Open the Print dialog box.

2. Select **Printer Settings** from the drop-down list, and select the **Basic Settings** tab.

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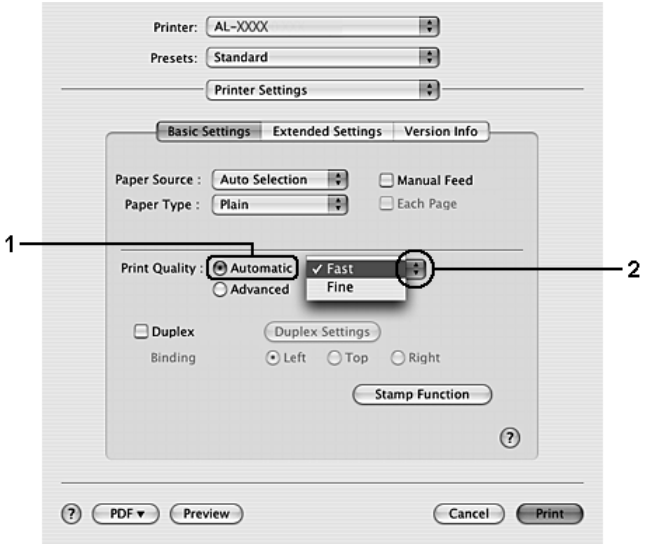
3. Select **Automatic**, then choose the resolution from the drop-down list.



Using the Advanced setting

For Windows users

1. Click the **Basic Settings** tab.

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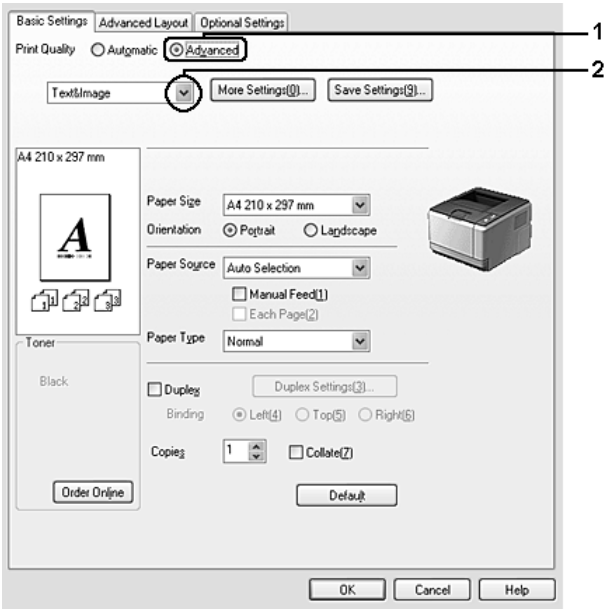
2. Select **Advanced**. Then select the most appropriate setting from the list according to the type of document or image you want to print.



When you choose a predefined setting, other settings such as Print Quality and Screen are set automatically. Changes are shown in the current settings list on the Setting Information dialog box that appears by pressing the **Setting Info.** button on the Optional Settings tab.

For Mac OS X users

1. Open the Print dialog box.

2. Select **Printer Settings** from the drop-down list, and select the **Basic Settings** tab.

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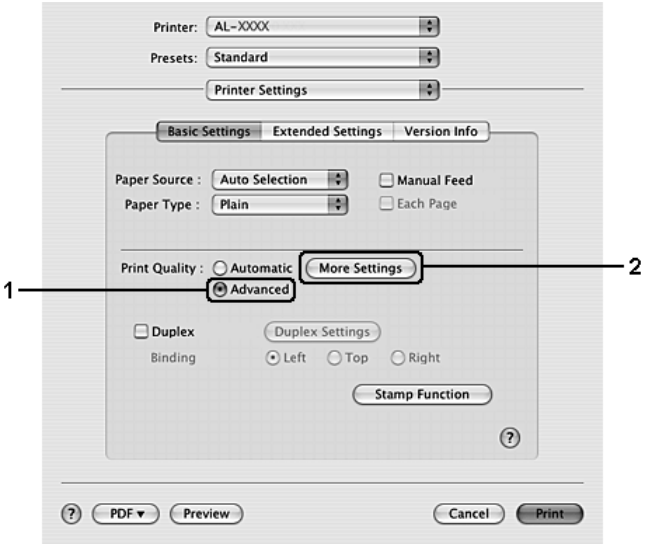
3. Select **Advanced**, then click **More Settings**.



4. Set the appropriate setting in the Advanced dialog box.

When you choose a predefined setting, other settings such as Print Quality and Screen are set automatically. Changes are shown in the Summary drop-down list in the Print dialog box.

Customizing print settings

If you need to change detailed settings, make the settings manually.

Note:
To print the highest resolution, set Print Quality to ***Maximum****.*

For Windows users

1. Click the **Basic Settings** tab.
2. Select **Advanced**, then click **More Settings**.
3. Make appropriate settings. For details about each setting, see online help.
4. Click **OK**.

For Mac OS X users

1. Open the Print dialog box.

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2. Select **Printer Settings** from the drop-down list, and select **Basic Settings** tab.

3. Select **Advanced**, then click **More Settings**.

4. Make appropriate settings. For details about each setting, click the ? button.

5. Click **OK**.

Saving your settings

You can save your custom settings.

Note:

- ❏ *You cannot use a predefined setting name for your custom settings.*
- ❏ *The saved custom settings can only be used with the printer driver you saved them to. Even if multiple printer names are set for a printer driver, the settings can be available only for the printer name in which you saved the settings.*
- ❏ *You cannot delete predefined settings.*

For Windows users

Note:
When sharing the printer on a network, the Save Settings is grayed out and you cannot create a custom setting at the client.

1. Click the **Basic Settings** tab.

2. Select **Advanced**, then click **Save Settings** to open the Custom Settings dialog box.

3. Type a name for your custom settings in the Name box, then click **Save**.

Your settings will appear in the list on the Basic Settings tab.

Note:
*To delete a custom setting, follow the step 1 and 2, select the setting in the Custom Settings dialog box, then click **Delete**.*

You can create new settings in the More Settings dialog box. When you create new settings, Custom Settings is displayed in the list on the Basic Settings tab. In this case, the original setting is not overwritten. To save the new settings, save them under a new name.

For Mac OS X users

1. Open the Print dialog box.

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2. Click **Save** or **Save As** in the Presets.

3. Type a name for your custom settings in the Name box, then click **OK**.

Your settings will appear in the Presets drop-down list.

Note:
❏ *To delete a custom setting, select the setting, then select **Delete** in the presets drop-down list.*

❏ *The Custom Setting option is a standard feature of Mac OS X.*

Toner Save mode

To reduce the amount of toner used in printing documents, you can print rough drafts using the Toner Save mode.

Note:
This function is for Windows only.

1. Click the **Basic Settings** tab.

2. Select **Advanced**, then click **More Settings** to open the More Settings dialog box.

3. Select the **Toner Save** check box, then click **OK**.

Setting the Advanced Layout

Duplex printing

This function allows you to print on both sides of the paper automatically.

For Windows users

1. Click the **Basic Settings** tab.

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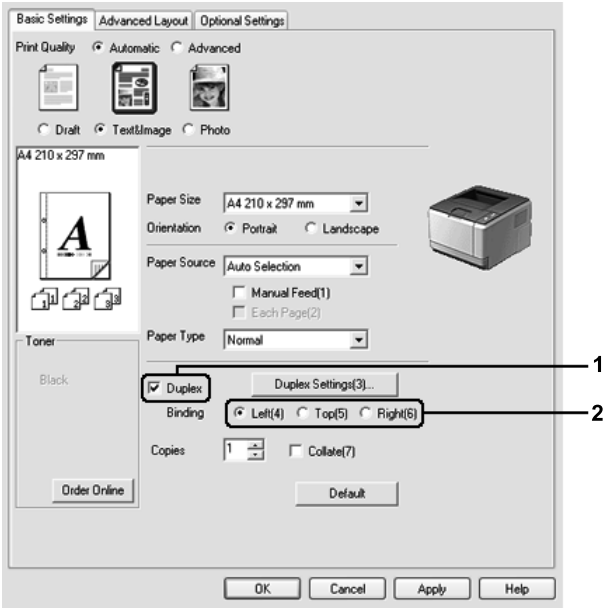
2. Select the **Duplex** check box, then select **Left**, **Top**, or **Right** as the binding position.



3. If you want to make detailed settings, click **Duplex Settings** to open the Duplex Settings dialog box.

4. Make appropriate settings. For details about each setting, see online help.

5. Click **OK**.

   Note:
   *The alert screen appears on the computer. Click **OK**.*

For Mac OS X users

1. Open the Print dialog box.

2. Select **Printer Settings** from the drop-down list, and select the **Basic Settings** tab.

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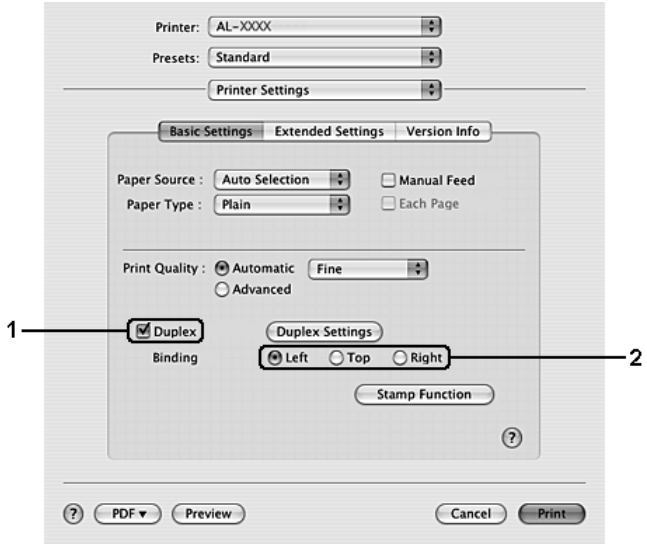
3. Select the **Duplex** check box, then select **Left**, **Top**, or **Right** as the binding position.



4. If you want to make detailed settings, click **Duplex Settings** to open the Duplex Settings dialog box.

5. Make appropriate settings. For details about each setting, see online help.

6. Click **Print**.

Modifying the print layout

This function allows you to print multiple pages on single sheets of paper.

For Windows users

1. Click the **Advanced Layout** tab.

2. Select the **Print Layout** check box and the number of pages you want to print on one sheet of paper.

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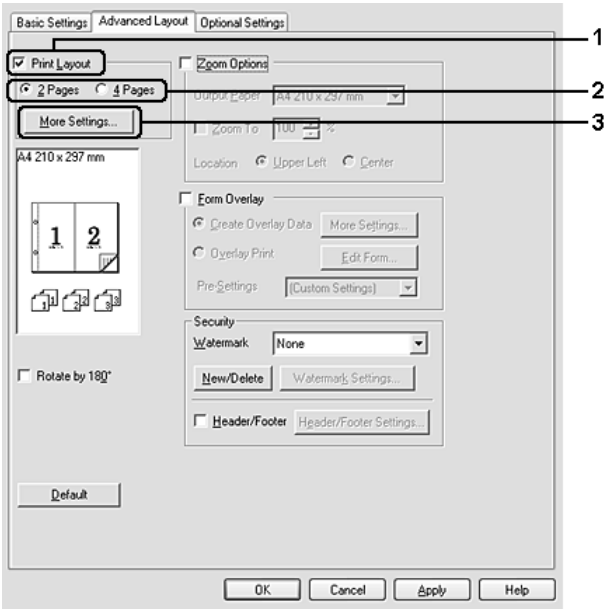
3. If you want to make detailed settings, click **More Settings**. The Print Layout Settings dialog box appears.



4. Make appropriate settings. For details about each setting, see online help.

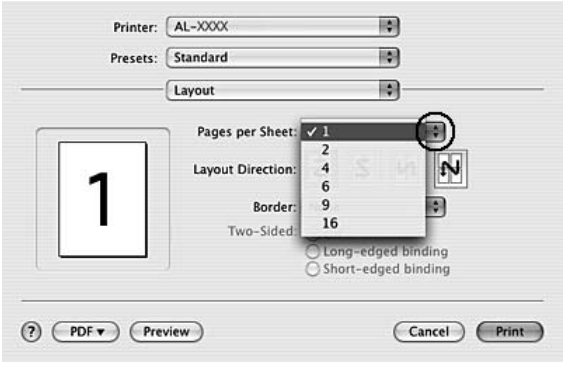
5. Click **OK**.

For Mac OS X users

1. Open the Print dialog box.

2. Select **Layout** from the drop-down list.

3. Select the number of pages you want to print on one sheet of paper from the drop-down list.



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4. Click **Print**.

   Note:
   The Layout settings are a standard feature of Mac OS X.

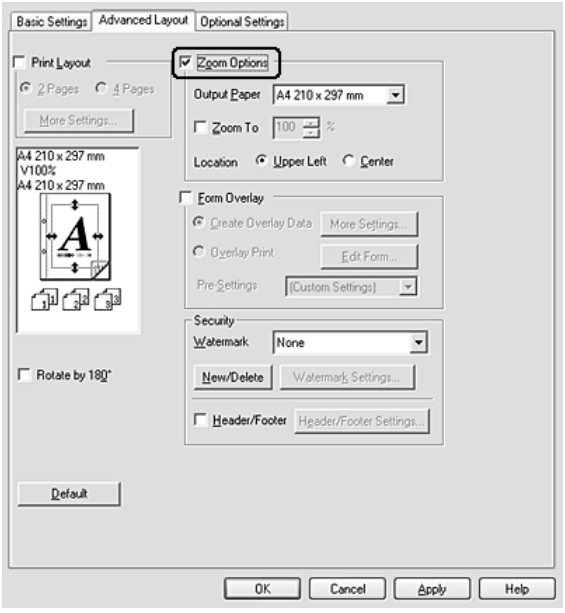
Resizing printouts

This function allows you to enlarge or reduce your document.

For Windows users

1. Click the **Advanced Layout** tab.

2. Select the **Zoom Options** check box.



3. If you want to resize pages automatically to fit the output paper, select the desired paper size from the Output Paper drop-down list.
   If you want to resize pages to a specified magnification, select the **Zoom To** check box, then specify the percentage. You can also select the output paper size.

4. Select **Upper Left** (to print reduced page image at upper left corner of the paper) or **Center** (to print reduced page image with centering) for Location setting.

   Note:
   *This setting is not available when you select **Zoom To** check box.*

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5. Click **OK**.

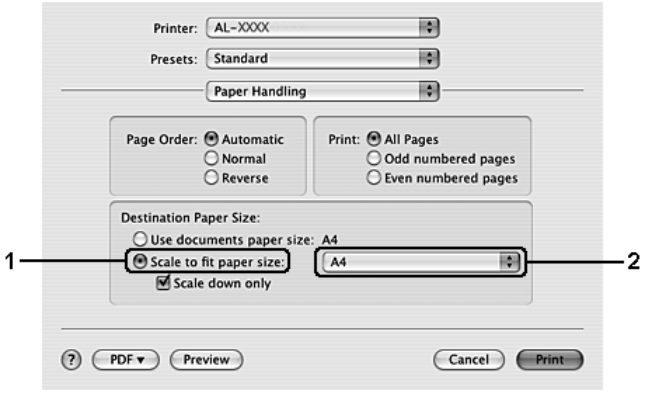
For Mac OS X users

Note:

❏ *The enlarging or reducing rate is automatically specified according to the paper size you select.*

❏ *This function is not available with Mac OS X 10.2 and 10.3.*

1. Open the Print dialog box.
2. Select **Paper Handling** from the drop-down list.
3. Select **Scale to fit paper size** and select the desired paper size from the drop-down list.



Note:
If you select ***Scale down only****, your documents are not enlarged even if you select the large paper size.*

Printing watermarks

This function allows you to print a text-based or image-based watermark on your document.

For Windows users

1. Click the **Advanced Layout** tab.

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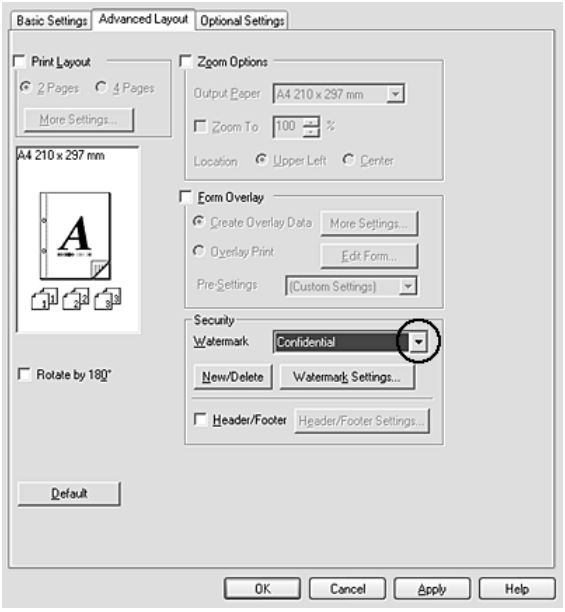
2. Select a watermark that you want to use from the Watermark drop-down list.



3. If you want to make detailed settings, click **Watermark Settings**, and make appropriate settings. For details about each setting, see online help.

4. Click **OK**.

For Mac OS X users

1. Open the Print dialog box.

2. Select **Printer Settings** from the drop-down list, and select the **Basic Settings** tab.

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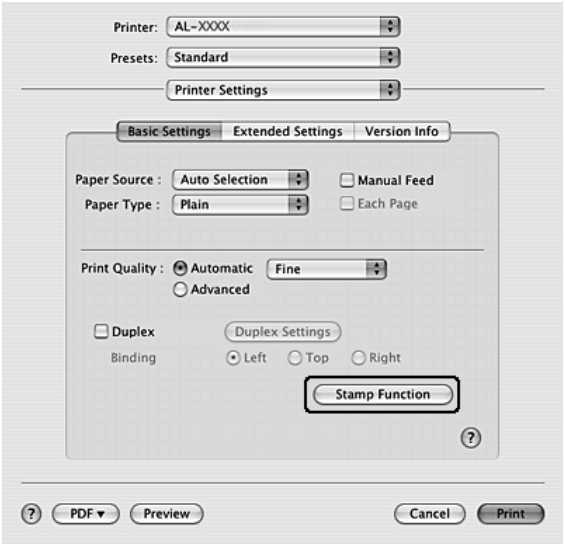
3. Click **Stamp Function**.



4. Select the **Watermark** check box, then click **Watermark Settings**.
5. Select a watermark from the Watermark drop-down list.
6. Make appropriate settings. For details about each setting, see online help.
7. Click **OK**.

Making a new watermark

For Windows users

1. Click the **Advanced Layout** tab.
2. Click **New/Delete**.
3. Select **Text** or **BMP** and type a name for the new watermark in the Name box.
4. If you select **Text**, type the watermark text in the **Text** box. If you select **BMP**, click **Browse**, select the BMP file you want to use, then click **OPEN**.
5. Type the watermark name in the **Name box**.
6. Click **Save**. Your watermark will appear in the List box.

Note:

❏ *To edit the saved text watermark, select it from the List box, then follow the step 4 to 6.*

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❏ *To remove the saved watermark, select it from the List box, then click* ***Delete****. After removing it, be sure to click* ***OK*** *to close the dialog box.*

7. Click **OK**.

Note:

❏ *You can register up to 10 custom watermarks.*

❏ *The saved watermarks can only be used with the printer driver you saved them to. Even if multiple printer names are set for a printer driver, the settings can be available only for the printer name in which you saved the settings.*

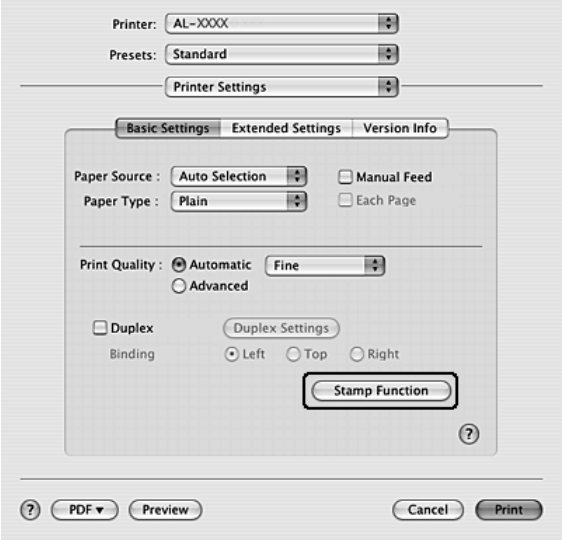
❏ *When sharing the printer on a network, you cannot create an user defined watermark at the client.*

For Mac OS X users

1. Open the Print dialog box.

2. Select **Printer Settings** from the drop-down list, and select the **Basic Settings** tab.

3. Click **Stamp Function**.



4. Select the **Watermark** check box, then click **Watermark Settings**.

5. Click **New/Delete**.

6. Click **Add Text** or **Add Image** on the Custom Settings dialog box.

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7. If you select **Add Text**, type the watermark text, select the **Font** and **Style**, then click **OK** on the Edit Text dialog box. If you select **Add Image**, select an image file (PDF, PNG, or JPG), then click **Open**.

   Note:
   *To type the watermark text, open the Text Input dialog box by clicking the text box. Type the text, then click **OK**.*

8. Type the file name in the Watermark box, then click **Save**.

   Note:
   - ❏ *To edit the saved text watermark, select it from the Mark List box, then click **Edit Text**. After editing, be sure to click **Save**.*
   - ❏ *To remove the saved watermark, select it from the Mark List box, then click **Mark Delete**. After removing it, be sure to click **Save**.*

9. Select a custom watermark that has been saved from the Watermark drop-down list on the Watermark Setting dialog box, and then click **OK**.

Note:
You can register up to 32 custom watermarks.

Printing headers and footers

This function allows you to print user name, computer name, date, time, or collate number, at the top or bottom of each page in a document.

For Windows users

1. Click the **Advanced Layout** tab.

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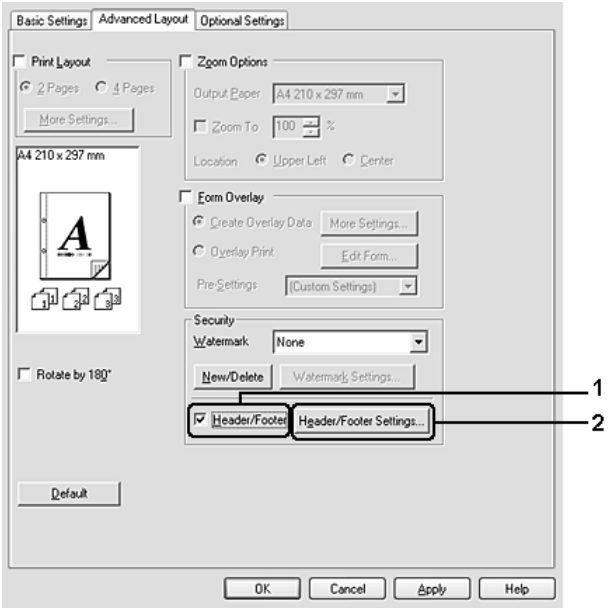
2. Select the **Header/Footer** check box, then click **Header/Footer Settings**.



3. Select the items from the drop-down list.

   Note:
   If you select ***Collate Number****, the number of copies is printed.*

4. Click **OK**.

For Mac OS X users

1. Open the Print dialog box.

2. Select **Printer Settings** from the drop-down list, and select **Basic Settings** tab.

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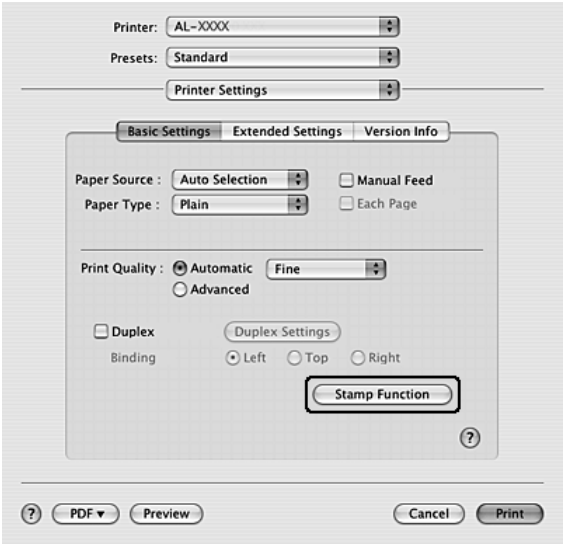
3. Click **Stamp Function**.



4. Select the **Header/Footer** check box, then click **Header/Footer Settings**.

5. Select the items from the drop-down list.

   Note:
   *If you select **Collate Number**, the number of copies is printed.*

6. Click **OK**.

Printing with an overlay

This function allows you to print a standard form or letterhead onto the original document.

Note:

❏ *This function is for Windows only.*

❏ *The overlay function is available only when **High Quality (Printer)** is selected for the Printing Mode in the Extended Settings dialog box from the Optional Settings tab.*

Creating an overlay

1. Open the file that you want to create an overlay.

2. From the application, access the printer driver. For details, see "Accessing the printer driver" on page 112.

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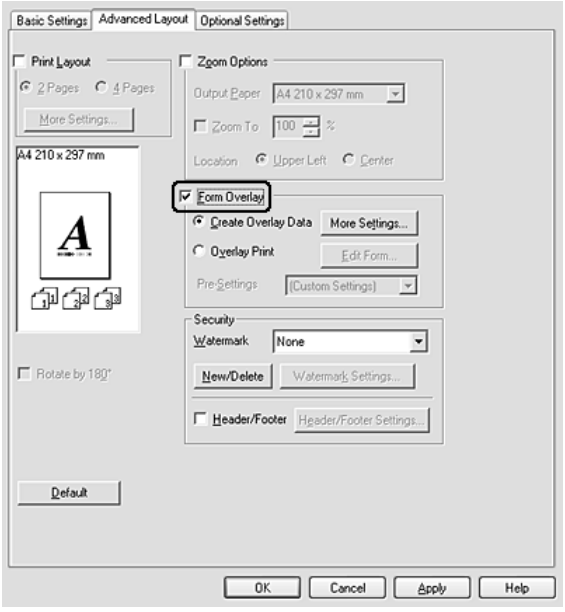
3. Click the **Advanced Layout** tab.

4. Select the **Form Overlay** check box.



5. Select **Create Overlay Data**, then click **More Settings**. The Create Form dialog box appears.

6. Type the form name in the Form Name box and its description in the Description box.

7. Select **Foreground Document** or **Background Document** to specify whether the overlay will be printed as foreground or background of the document.

8. Select the **Assign to Paper Source** check box to display the form name in the Paper Source drop-down list on the Basic Settings tab.

9. Click **OK** in the Create Form dialog box.

10. Click **OK** (For Windows 2000, click **Apply**) in the Advanced Layout tab.

Note:
To change the settings of the overlay form data you created, access the printer driver and repeat all the steps in this page. Note that on the step 5, select ***Overlay Print****, then click* ***Edit Form****.*

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Printing an overlaid document

You can select the registered form data from the Paper Source drop-down list on the Basic Settings tab. For registering form data in the Paper Source, see step 8 in "Creating an overlay" on page 51. If overlay form data is not registered in the Paper Source or if you want to make detailed settings, follow the steps below.

1. Open the file to print with overlay data.
2. From the application, access the printer driver. For details, see "Accessing the printer driver" on page 112.
3. Click the **Advanced Layout** tab.
4. Select the **Form Overlay** check box.
5. Select the **Overlay Print** check box, then click **More Settings**. The Form Selection dialog box appears.
6. Make appropriate settings. For details about each setting, see online help.
7. Click **OK** in the Form Selection dialog box.
8. Click **OK** in the Advanced Layout tab.
9. Click **OK** (For Windows 2000, click **Print**).

Saving an overlaid form pre-settings

This function allows you to save the settings you made from "Printing an overlaid document" on page 53.

1. From the Form Selection dialog box, click **Save/Delete**. To open the dialog box, see "Printing an overlaid document" on page 53.
2. Type the pre-settings name in the Form Pre-Settings Name box, then click **Save**. Your pre-settings name will appear in the Form Pre-Settings drop-down list in the Form Selection dialog box.
3. Click **OK**. Your pre-settings name will appear in the Pre-Settings drop-down list in the Advanced Layout dialog box.

Note:

- ❏ *To delete an overlaid form pre-setting, follow the step 1, select the pre-settings name you want to delete from Form Pre-Settings drop-down list, click **Delete**. then click **OK**.*
- ❏ *You can save up to 20 pre-settings.*

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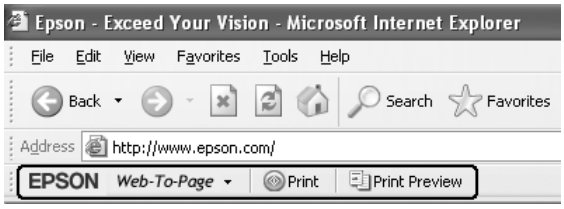
Printing Web Pages to Fit Your Paper Size

This function allows you to make Web pages fit to your paper size when printing. Install EPSON Web-To-Page from the printer software CD-ROM.

Note:
This software is for Windows only.

After you install EPSON Web-To-Page, the menu bar is displayed on the Microsoft Internet Explorer Toolbar. If it does not appear, select **Toolbars** from the View menu of Internet Explorer, and then select **EPSON Web-To-Page**.



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Chapter 3

Installing Options

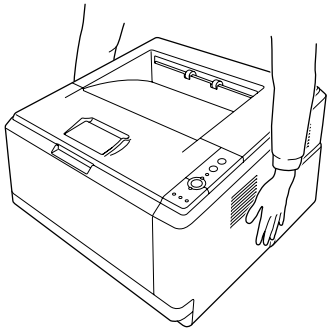
Optional Paper Cassette Unit

For details about the paper types and sizes that you can use with the optional paper cassette unit, see “Lower Paper Cassette Unit” on page 27. For specifications, see “Optional paper cassette unit” on page 158.

Handling precautions

Always pay attention to the following handling precautions before installing the option:

Be sure to lift the printer from the positions shown below.



Warning:
To lift the printer safely, you must hold it in the positions shown above. If carried incorrectly, the printer may be dropped and damaged or cause an injury.

Installing the optional paper cassette unit

1. Turn the printer off and unplug the power cord and all the interface cables.

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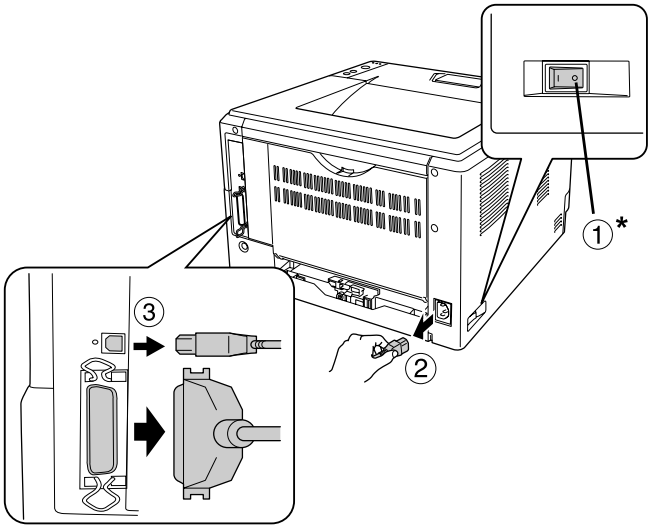
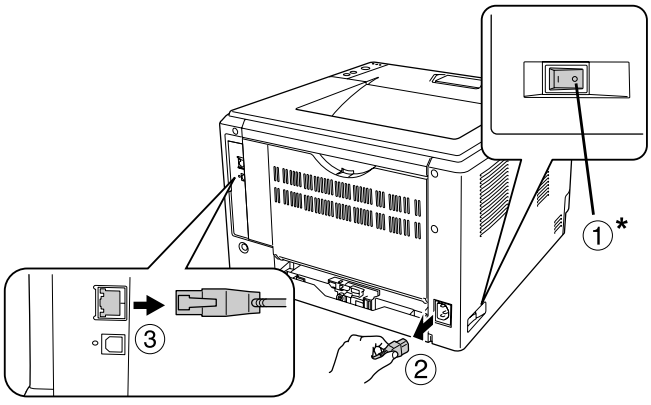
D model



DN model



* OFF

Caution:
Make sure to unplug the power cord from the printer to prevent getting an electrical shock.

2. Carefully remove the optional paper cassette unit from its carton and place it where you intend to set up the printer.

Note:
❏ *Remove the protective materials from the unit.*

❏ *Keep all protective materials in case you want to ship the optional paper cassette unit in the future.*

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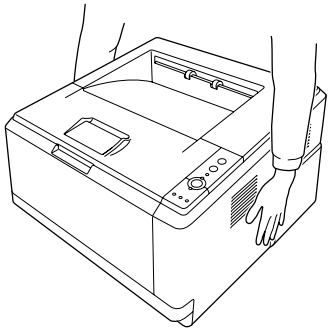
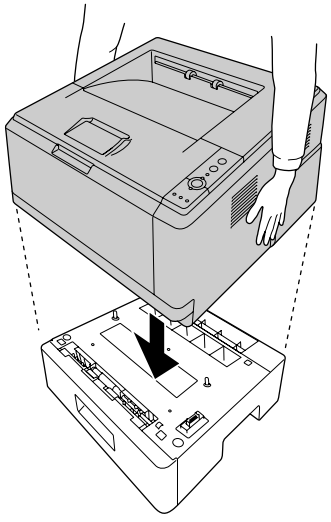
3. Carefully, grasp the printer at the position indicated below and lift it carefully.



4. Align the corners of the printer and the unit, then lower the printer gently onto the unit so that the connector and two pins on the top of the unit fit into the terminal and the holes on the bottom of the printer respectively.



Note:
You can install up to two optional paper cassette units. When you install two units, stack them up against each other, and then place the printer on them.

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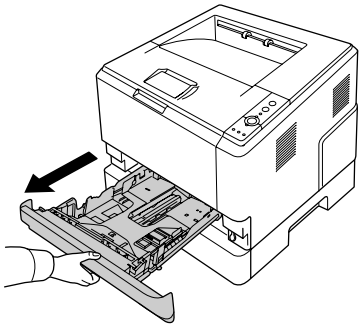
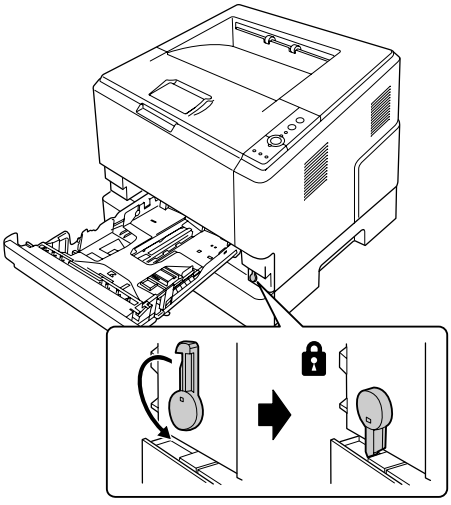
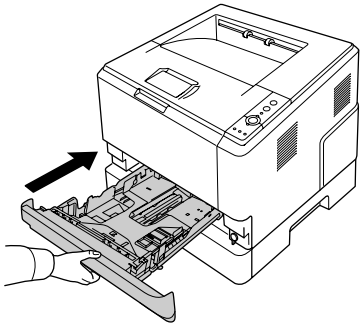
5. Pull the paper cassette out from the unit.



6. Turn the lever to the position as shown below to lock the optional paper cassette unit.



7. Insert the paper cassette back into the unit.



8. Reconnect all the interface cables and the power cord.

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9. Plug the printer's power cord into an electrical outlet.

10. Turn on the printer.

To confirm that the option is installed correctly, print a Status Sheet. See "Printing a Status Sheet" on page 90.

Note for Windows users:
If EPSON Status Monitor is not installed, you have to make settings manually in the printer driver. See "Making Optional Settings" on page 113.

Note for Macintosh users:
When you have attached or removed printer options, you need to delete the printer using ***Print Setup Utility*** *(for Mac OS X 10.3 and 10.4) or* ***Print Center*** *(for Mac OS X 10.2), and then re-register the printer.*

Removing the optional paper cassette unit

Perform the installation procedure in reverse.

Memory Module

By installing a Dual In-line Memory Module (DIMM), you can increase printer memory up to 288 MB (320 MB for the DN models). You may want to add additional memory if you are having difficulty printing complex graphics.

Installing a memory module

Warning:
Be careful when working inside the printer as some components are sharp and may cause injury.

Caution:
Before you install a memory module, be sure to discharge any static electricity by touching a grounded piece of metal. Otherwise, you may damage static-sensitive components.

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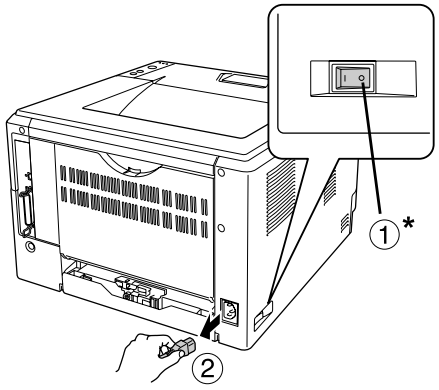
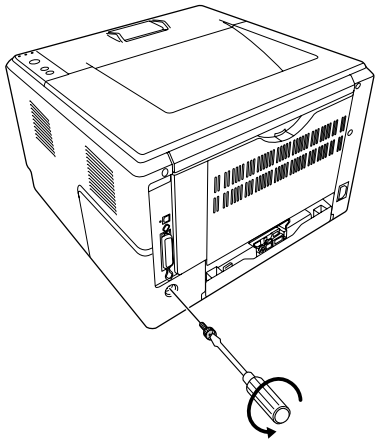
1. Turn the printer off and unplug the power cord.



* OFF

Caution:
Make sure to unplug the power cord from the printer to prevent getting an electrical shock.

2. Remove the screw on the option cover on the back of the printer using the screw driver.



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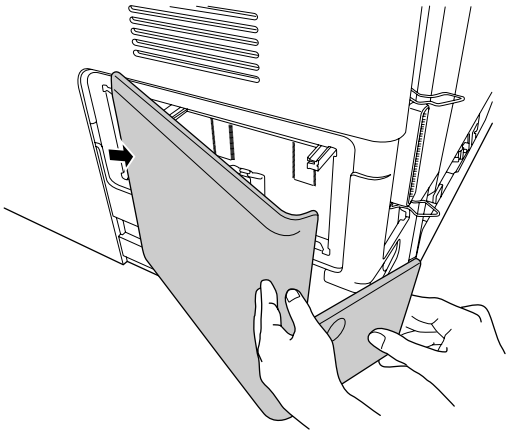
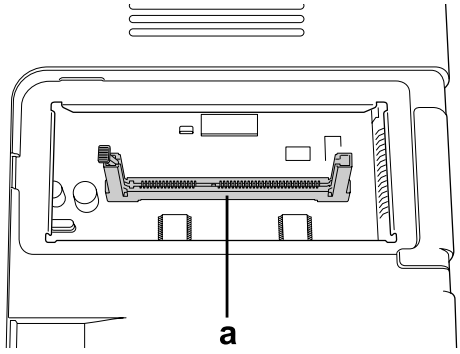
3. Remove the option cover.

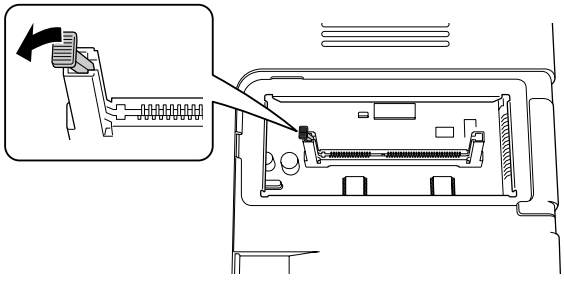


4. Identify the memory slot. The position is shown below.



a. memory slot

5. Push a white stopper until it stops.



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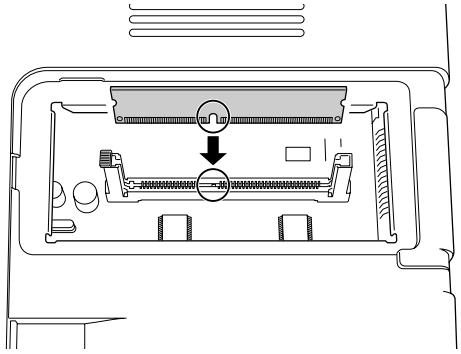
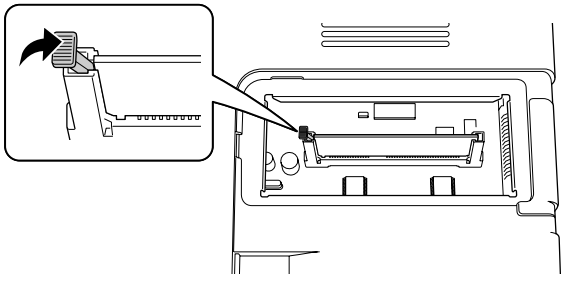
6. Insert the memory module into the memory slot until it stops.



7. Slide the white stopper back toward you to lock the memory module.



Caution:

- ❏ *Do not apply too much force.*
- ❏ *Be sure to insert the memory facing the correct way.*
- ❏ *Do not remove any modules from the circuit board. Otherwise, the printer will not work.*

8. Reattach the option cover.
9. Tighten the screw on the option cover using the screw driver.
10. Reconnect all the interface cables and the power cord.
11. Plug the printer's power cord into an electrical outlet.
12. Turn on the printer.

To confirm that the option is installed correctly, print a Status Sheet. See "Printing a Status Sheet" on page 90.

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Note for Windows users:
If EPSON Status Monitor is not installed, you have to make settings manually in the printer driver. See "Making Optional Settings" on page 113.

Note for Macintosh users:
When you have attached or removed printer options, you need to delete the printer using ***Print Setup Utility*** *(for Mac OS X 10.3 and 10.4),* ***Print Center*** *(for Mac OS X 10.2), and then re-register the printer.*

Removing a memory module

Warning:
Be careful when working inside the printer as some components are sharp and may cause injury.

Caution:
Before you remove a memory module, be sure to discharge any static electricity by touching a grounded piece of metal. Otherwise, you may damage static-sensitive components.

Perform the installation procedure in reverse.

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Chapter 4

Replacing Consumable Products

Precautions During Replacement

Always observe the following handling precautions when replacing consumable products:

For details about the replacement, see the instructions on the package.

- ❏ Provide enough space for the replacement procedure. You will have to open some parts (such as the printer cover) of the printer when you are replacing consumables.
- ❏ Do not install the consumable products that reach end of service life into the printer.

Warning:

- ❏ *Be careful not to touch the fuser, which is marked* ***CAUTION HOT SURFACE****, or the surrounding areas. If the printer has been in use, the fuser and surrounding areas may be very hot.*
- ❏ *Do not dispose of used consumable products in fire, as they may explode and cause injury. Dispose of them according to local regulations.*

Precautions for Replacing the Toner Cartridge

When the Toner light and the Error light are on, the printer has run out of toner. If the indicator lights light up in this manner, or if a message is displayed on the EPSON Status Monitor screen, replace the toner cartridge.

Always observe the following handling precautions when replacing the consumable products:

- ❏ Installing a genuine consumable product is recommended. Using a non-genuine consumable product may affect print quality. EPSON shall not be liable for any damages or problems arising from the use of consumable products not manufactured or approved by EPSON.
- ❏ When handling a toner cartridge, always place them on a clean, smooth surface.
- ❏ If you move a toner cartridge from a cool to a warm environment, wait for at least one hour before installing it to prevent damage from condensation.
- ❏ Do not expose the toner cartridge to room light any longer than necessary.

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- The toner cartridge is not an independent unit that you install directly into the printer. The cartridge needs to be inserted into the developer unit's casing and then installed into the printer.

Warning:

- *Do not touch the toner. Always keep toner away from your eyes. If toner gets on your skin or clothes, wash it off with soap and water immediately.*
- *Keep consumable products out of the reach of children.*
- *Do not dispose of used consumable products in fire, as they may explode and cause injury. Dispose of them according to local regulations.*
- *If toner is spilled, use a broom and dustpan or a damp cloth with soap and water to clean it up. Because the fine particles can cause a fire or explosion if they come into contact with a spark, do not use a vacuum cleaner.*
- *Be careful not to touch the fuser, which is marked* ***CAUTION HOT SURFACE****, or surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot. If you must touch one of these areas, wait 30 minutes to allow the heat subside before doing so.*

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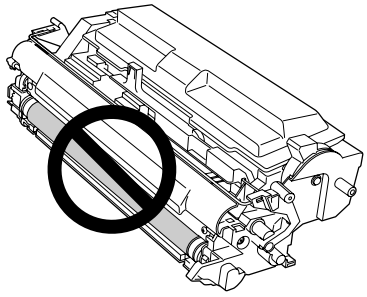
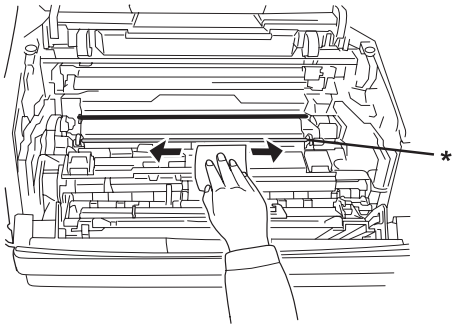
Caution:

- ❏ *You must completely open the printer cover when replacing the toner cartridge; otherwise, you may damage the printer.*
- ❏ *Never touch the developing roller that is exposed after removing the protective cover; otherwise, print quality may decline.*



- ❏ *When you replace the toner cartridge, wipe paper dust and marks from the metal roller inside the printer with a dry and soft cloth as shown below.*



* metal roller

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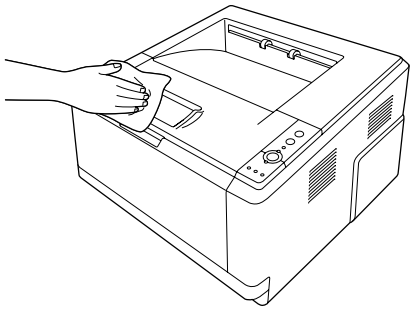
Chapter 5

Cleaning and Transporting the Printer

Cleaning the Printer

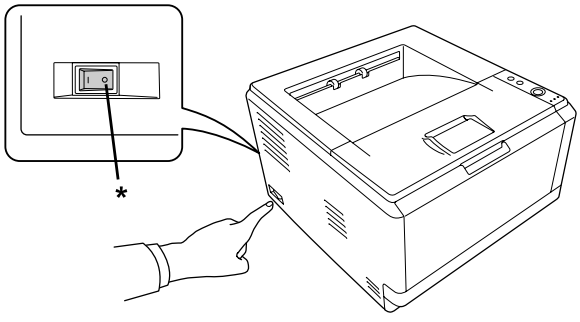
The printer needs only minimal cleaning. If the printer's outer case is dirty or dusty, turn off the printer and clean it with a soft, clean cloth moistened with a mild detergent.



Caution:
Never use alcohol or paint thinner to clean the printer cover. These chemicals can damage the components and the case. Be careful not to get water onto the printer mechanism or any electrical components.

Cleaning the pickup roller

1. Turn off the printer.



* OFF

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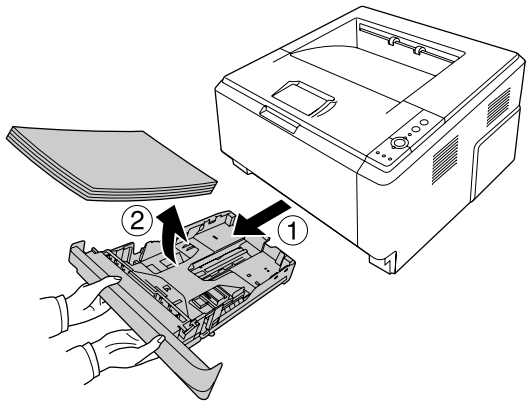
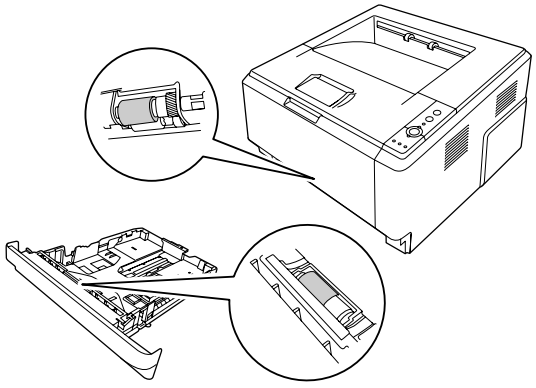
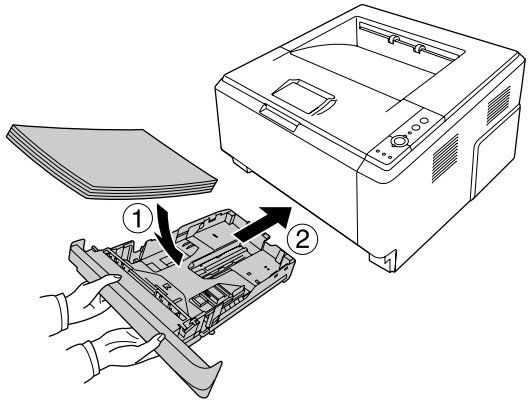
2. Pull the paper cassette unit out and remove the papers.



3. Gently wipe the rubber parts of the pickup roller inside the printer with a well-wrung wet cloth.



4. Load the papers back on the paper cassette unit and reinstall the cassette.



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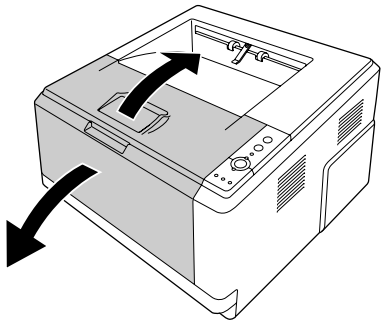
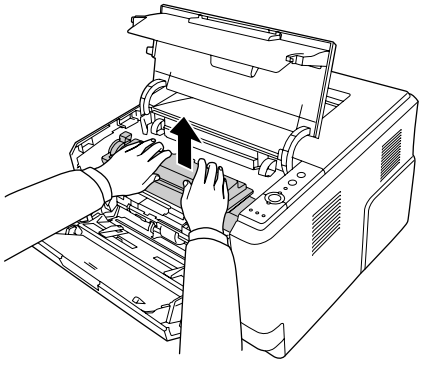
Cleaning inside the printer

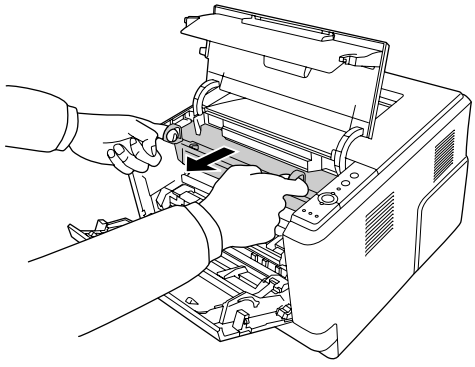
1. Open the top cover and MP tray.



2. Remove the developer unit containing the toner cartridge.



3. Put your finger into the hole of the outer green knob on each side of the photoconductor unit. Then, pull the photoconductor unit towards you.



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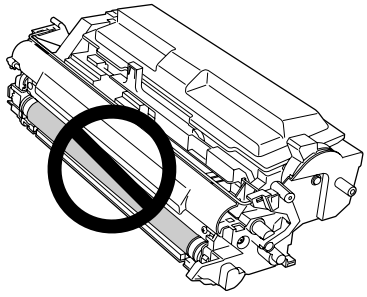
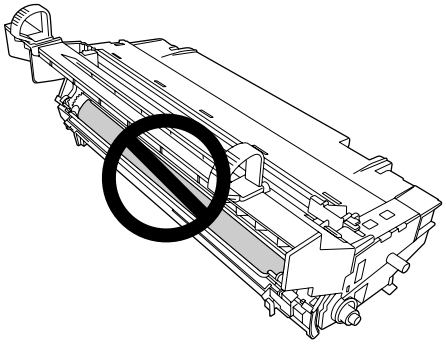
Warning:
Be careful not to touch the fuser, which is marked ***CAUTION HOT SURFACE****, or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot. If you must touch one of these areas, wait 30 minutes to allow the heat to subside before doing so.*

Caution:
- ❏ *Never touch the developing roller that is exposed after removing the protecting cover; otherwise, print quality may decline.*



- ❏ *Do not expose the photoconductor unit to room light any longer than necessary.*
- ❏ *Never touch the photoconductor unit's light-sensitive drum; otherwise, print quality may decline.*



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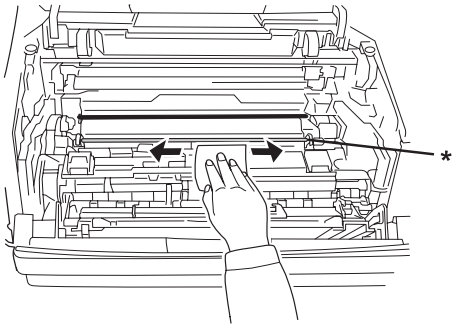
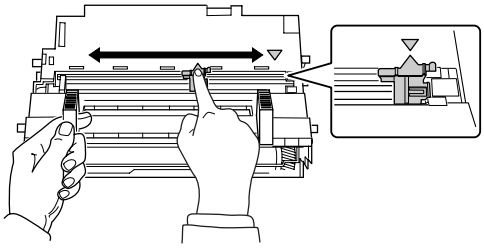
4. Wipe paper dust and marks from the metal roller inside the printer with a dry and soft cloth as shown below.



* metal roller

5. Move the green cleaning lever of the photoconductor wire back and forth slowly several times from one end to the other.



Note:

- ❏ *If the protective tape is stuck on the photoconductor unit, remove the tape before moving the cleaning lever.*
- ❏ *After cleaning, make sure to return the green cleaning lever to the original position until it locks.*

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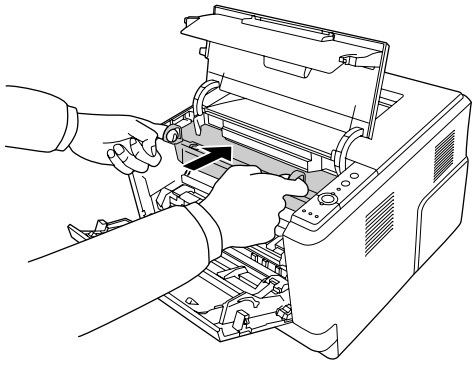
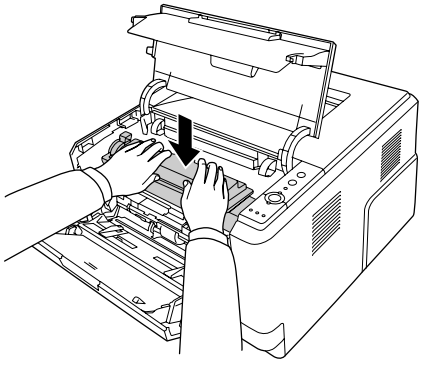
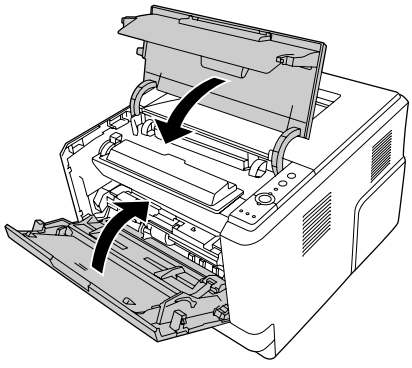
6. Insert the photoconductor unit slowly all the way in.



7. Insert the developer unit containing the toner cartridge slowly all the way in.



8. Close the top cover and MP tray.



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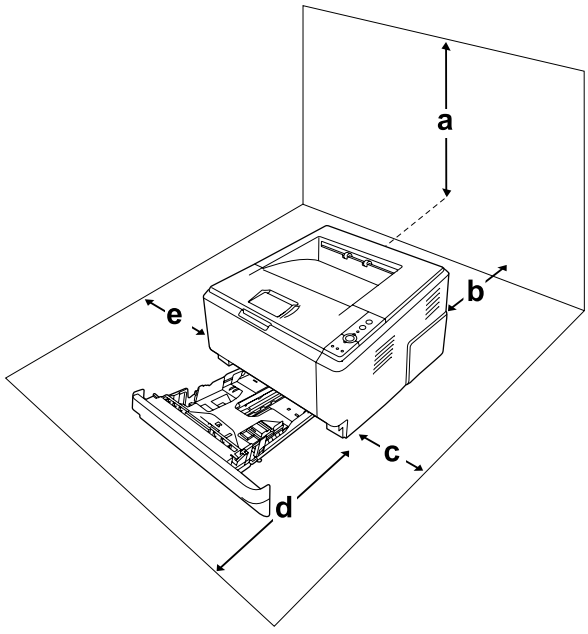
Transporting the Printer

Finding a place for the printer

When relocating the printer, always choose a location that has adequate space for easy operation and maintenance. Use the following illustration as a guide for the amount of space required around the printer to ensure smooth operation.



a. 20 cm
b. 20 cm
c. 30 cm
d. 50 cm
e. 30 cm

To install and use any of the following options, you will need the indicated amount of additional space.

The 250-sheet paper cassette unit adds 10 cm (3.9 in.) to the bottom of the printer.

In addition to space considerations, always heed the following precautions when finding a place to locate the printer:

❏ Place the printer where you can easily unplug the power cord.

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❏ Keep the entire computer and printer system away from potential sources of interference, such as loudspeakers or the base units of cordless telephones.

❏ Avoid using an electrical outlet that is controlled by wall switches or automatic timers. Accidental disruption of power can erase valuable information in your computer's and printer's memory.

Caution:

❏ *Leave adequate room around the printer to allow for sufficient ventilation.*

❏ *Avoid locations that are subject to direct sunlight, excessive heat, moisture, or dust.*

❏ *Avoid using outlets that other appliances are plugged into.*

❏ *Use a grounded outlet that matches the printer's power plug. Do not use an adapter plug.*

❏ *Only use an outlet that meets the power requirements for this printer.*

For long distances

Repacking the printer

If you need to transport your printer for long distances, carefully repack it using the original box and packing materials.

1. Turn off the printer and remove the following items:

   ❏ Power cord

   ❏ Interface cables

   ❏ Loaded paper

   ❏ Toner cartridge

   ❏ Developer unit

   ❏ Installed options

   Caution:
   Do not remove the photoconductor unit. If you carry the printer without the photoconductor unit installed, the printer may be damaged.

2. Attach the protective materials onto the printer, then repack the printer in its original box.

   Caution:
   When moving the printer, always keep it horizontal.

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For short distances

Always pay attention to the following handling precautions when you need to move the printer for short distances.

1. Turn off the printer and remove the following items:

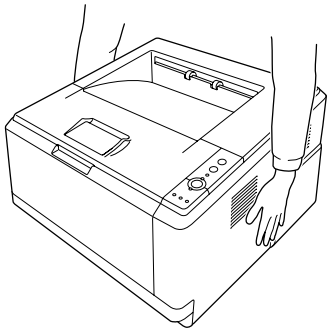
   ❏ Power cord

   ❏ Interface cables

   ❏ Loaded Paper

   ❏ Installed options

2. Be sure to lift the printer by the correct positions as shown below.



Caution:
When moving the printer, always keep it horizontal.

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Chapter 6

Troubleshooting

Clearing Jammed Paper

If paper becomes jammed in the printer, the EPSON Status Monitor provides alert messages.

Precautions for clearing jammed paper

Be sure to observe the following points when you clear jammed paper.

- ❏ Do not remove jammed paper by force. Torn paper can be difficult to remove and might cause other paper jams. Pull it gently in order to avoid tearing.
- ❏ Always try to remove jammed paper with both hands to avoid tearing it.
- ❏ If jammed paper is torn and remains in the printer, or if paper is jammed in a place not mentioned in this section, contact your dealer.
- ❏ Make sure that the paper type that is loaded is the same as the Paper Type setting in the printer driver.
- ❏ Do not expose the photoconductor unit to sunlight at all.

Warning:

- ❏ *Be careful not to touch the fuser, which is marked* ***CAUTION HOT SURFACE****, or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot.*
- ❏ *Do not insert your hand deep into the fuser unit as some components are sharp and may cause injury.*

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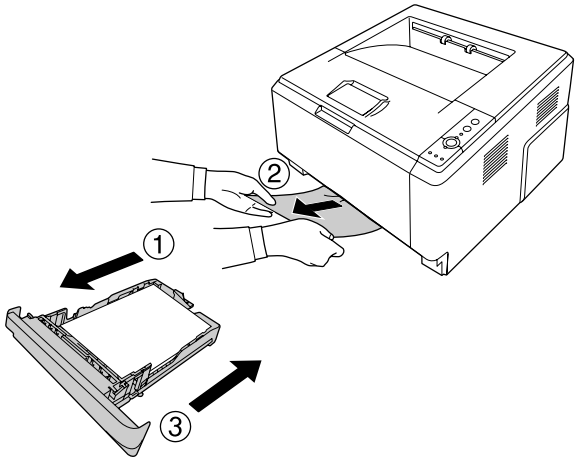
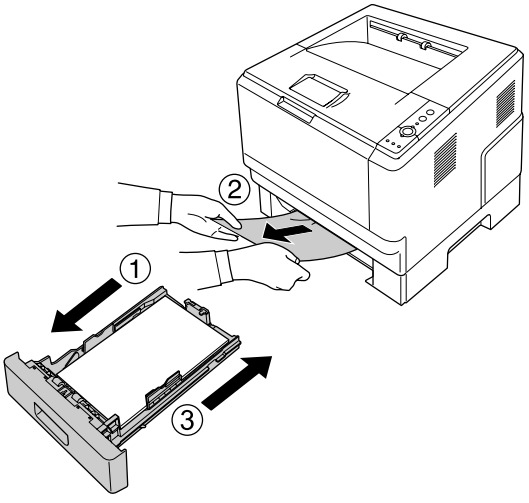
Paper Jam around the standard lower cassette

1. Remove the standard paper cassette, gently pull any sheets of paper out, and reinstall the paper cassette.



Paper Jam around the 250-sheet Paper Cassette Unit

1. Remove the optional paper cassette, gently pull any sheets of paper out, and reinstall the paper cassette.



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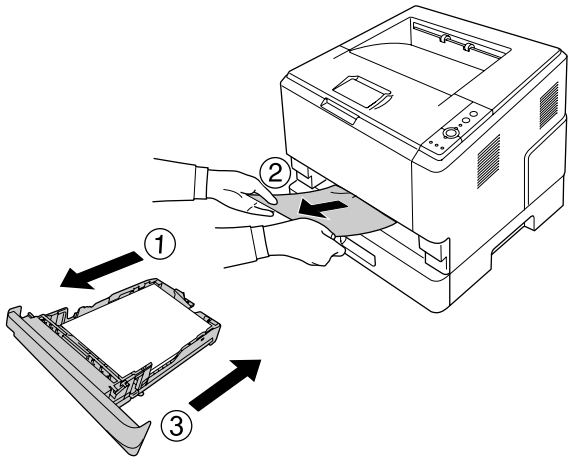
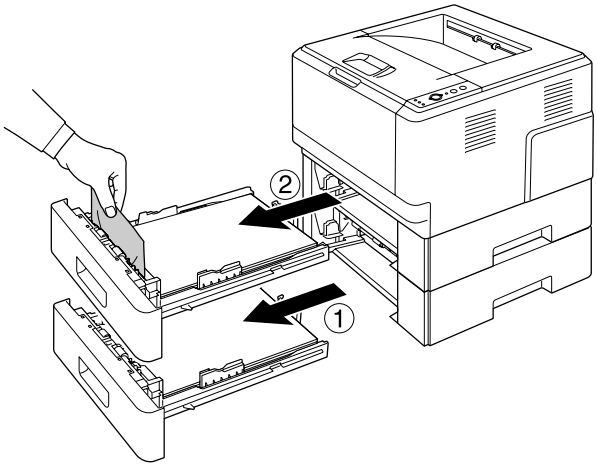
2. Remove the standard paper cassette, gently pull any sheets of paper out, and reinstall the paper cassette.



Paper Jam in the 250-sheet Paper Cassette Unit

1. Remove the optional paper cassettes from the bottom one, then gently pull any sheets of paper out.



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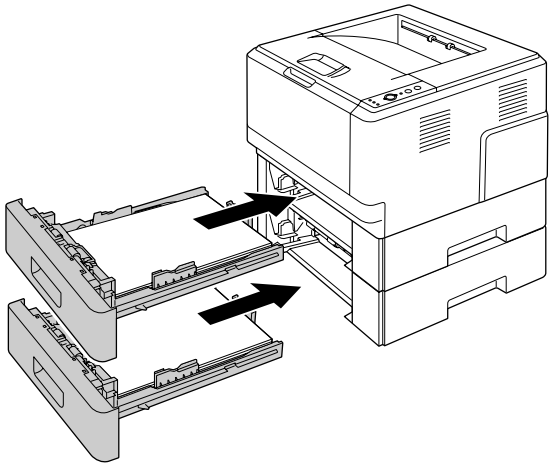
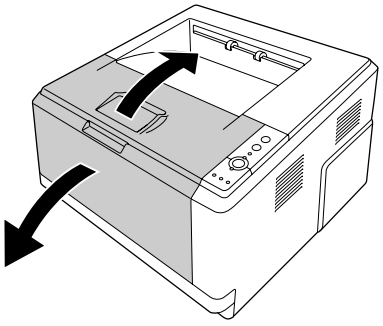
2. Reinstall the paper cassettes.

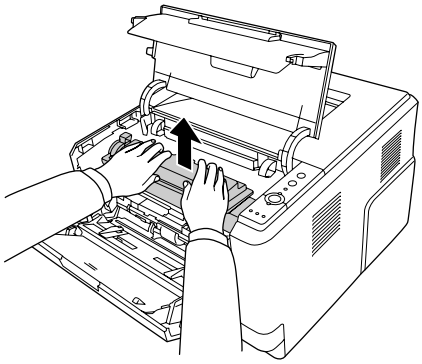


Paper Jam inside the printer

1. Open the top cover and MP tray.



2. Remove the developer unit containing the toner cartridge.



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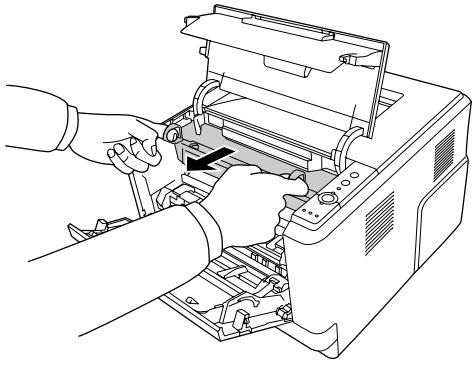
3. Put your finger into the hole of the outer green knob on each side of the photoconductor unit. Then, pull the photoconductor unit towards you.



Warning:
Be careful not to touch the fuser, which is marked ***CAUTION HOT SURFACE****, or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot. If you must touch one of these areas, wait 30 minutes to allow the heat to subside before doing so.*

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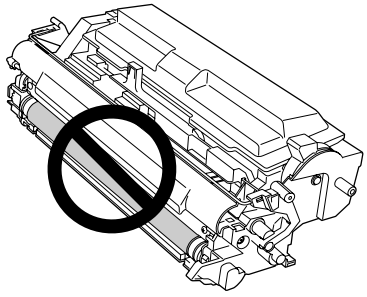
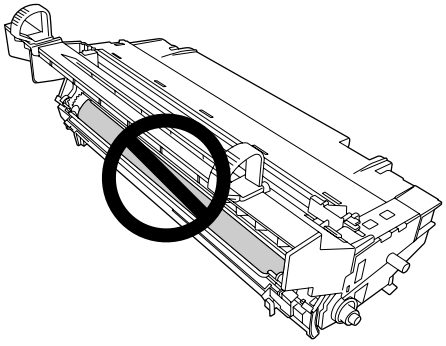
Caution:

❏ *Never touch the developing roller that is exposed after removing the protecting cover; otherwise, print quality may decline.*

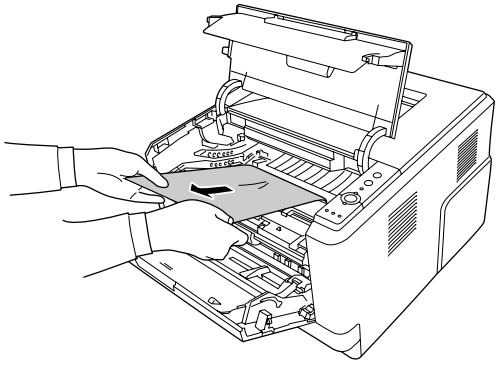


❏ *Do not expose the photoconductor unit to room light any longer than necessary.*

❏ *Never touch the photoconductor unit's light-sensitive drum; otherwise, print quality may decline.*



4. Gently pull any sheets of paper out straight towards you.



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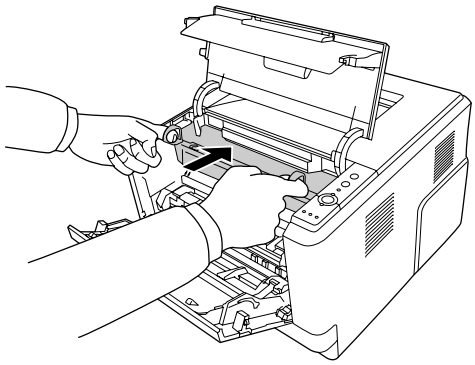
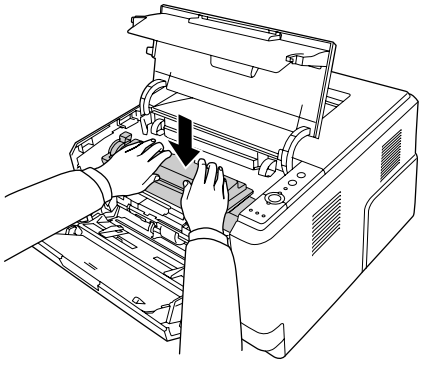
5. Insert the photoconductor unit slowly all the way in.

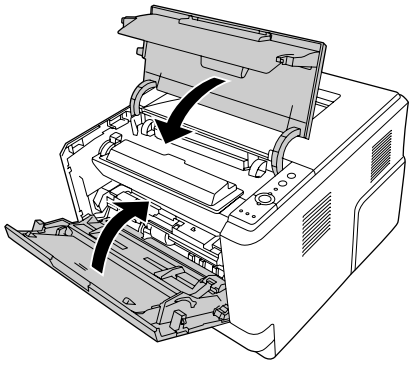


6. Insert the developer unit containing the toner cartridge slowly all the way in.



Note:
If you cannot insert the developer unit all the way in, remove and insert the photoconductor unit, then insert the developer unit again.

7. Close the top cover and MP tray.



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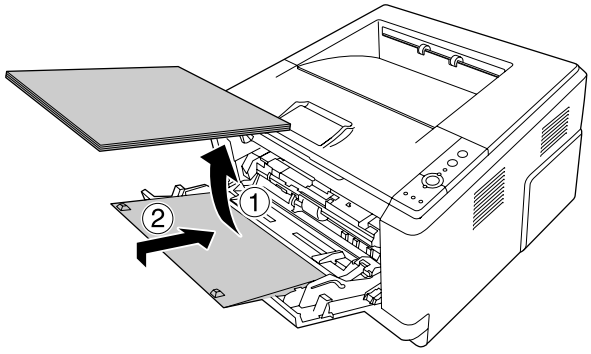
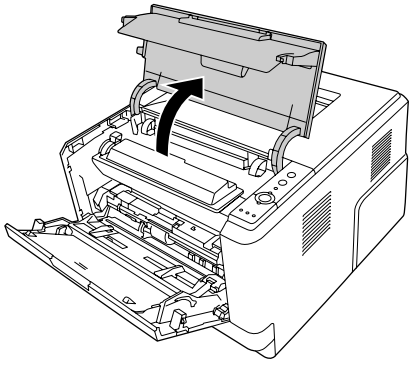
Paper Jam around the MP tray

1. Remove the paper on the subtray, then bring the subtray back into the MP tray.



Caution:
Even if you see any jammed paper when you perform this step, do not pull it out. Otherwise, the printer may be damaged.

2. Open the top cover.



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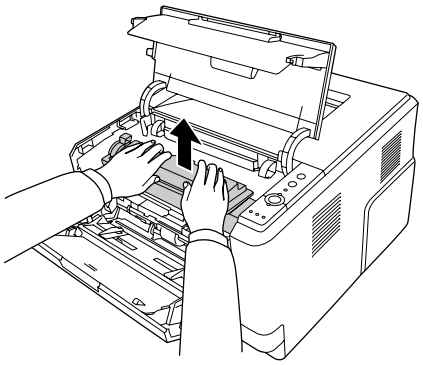
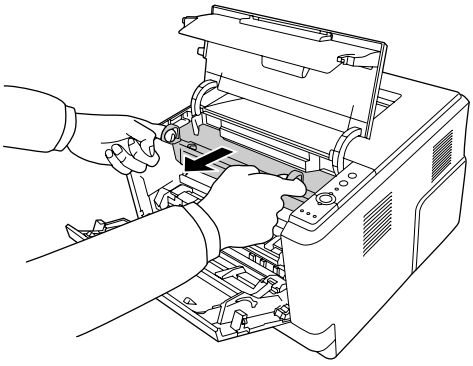
3. Remove the developer unit containing the toner cartridge.



4. Put your finger into the hole of the outer green knob on each side of the photoconductor unit. Then, pull the photoconductor unit towards you.



Warning:
Be careful not to touch the fuser, which is marked ***CAUTION HOT SURFACE****, or the surrounding areas. If the printer has been in use, the fuser and the surrounding areas may be very hot. If you must touch one of these areas, wait 30 minutes to allow the heat to subside before doing so.*

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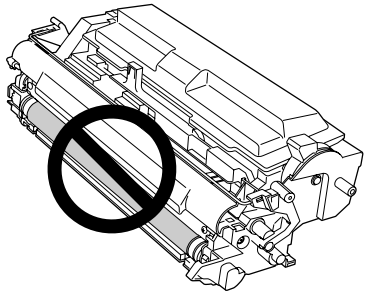
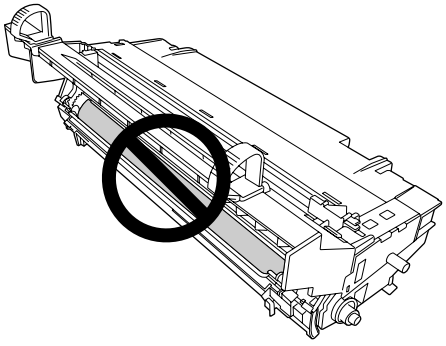
Caution:

❏ *Never touch the developing roller that is exposed after removing the protecting cover; otherwise, print quality may decline.*

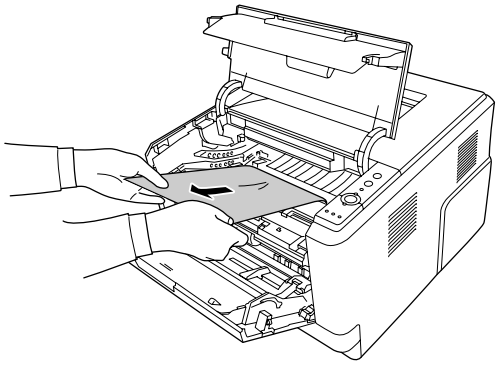


❏ *Do not expose the photoconductor unit to room light any longer than necessary.*

❏ *Never touch the photoconductor unit's light-sensitive drum; otherwise, print quality may decline.*



5. Gently pull any sheets of paper out straight towards you.



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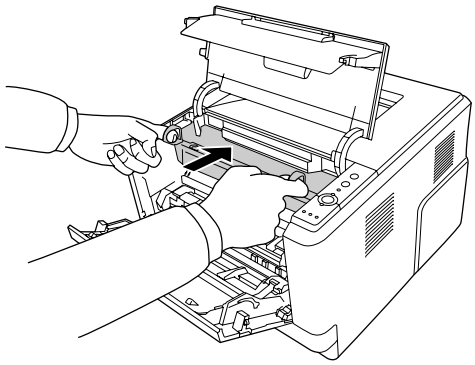
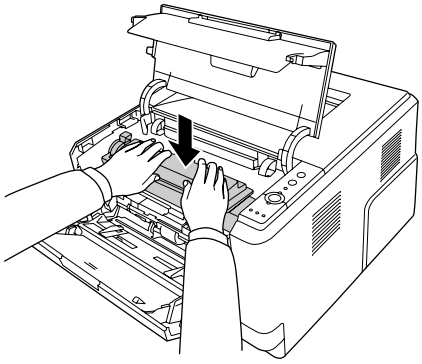
6. Insert the photoconductor unit slowly all the way in.

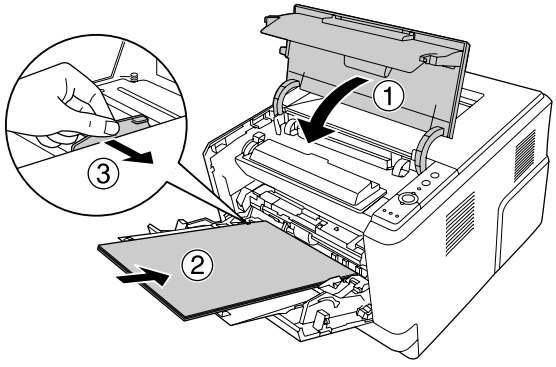


7. Insert the developer unit containing the toner cartridge slowly all the way in.



Note:
If you cannot insert the developer unit all the way in, remove and insert the photoconductor unit, then insert the developer unit again.

8. Close the top cover and load the paper back on the MP tray.



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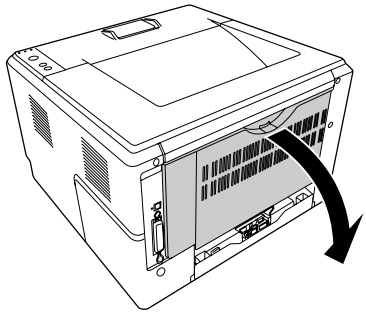
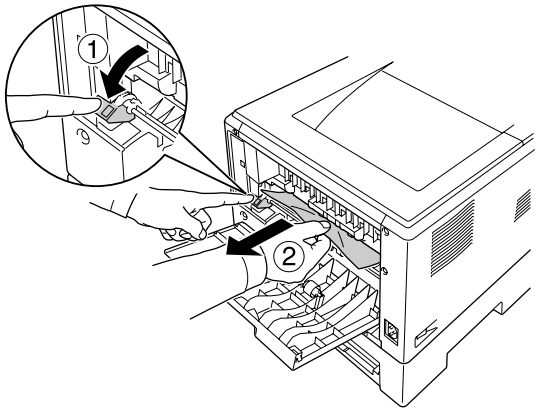
Note:
For details about loading papers, see "MP tray" on page 25.

Paper Jam around the rear cover

1. Open the rear cover.



2. Pull the green labeled lever down and gently pull any sheets of paper out.



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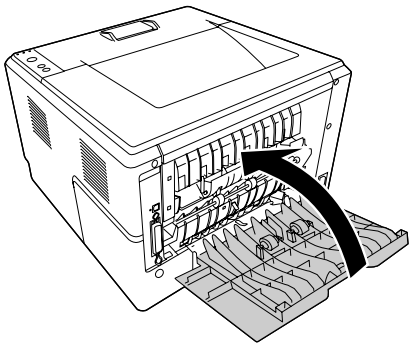
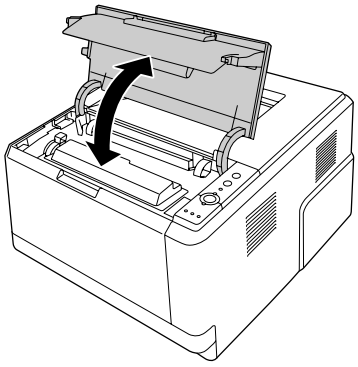
3. Close the rear cover.

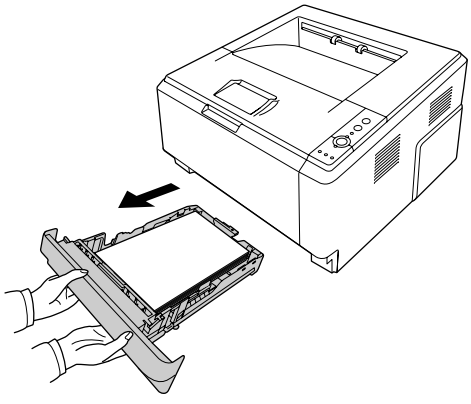


4. Open and close the top cover.



Paper Jam around the DM tray

1. Remove the standard paper cassette.



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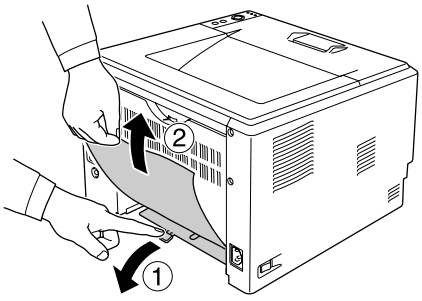
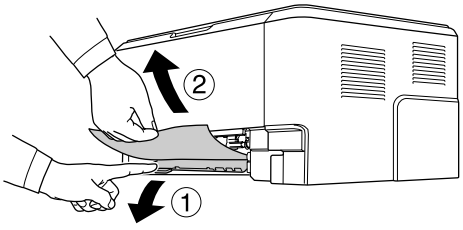
2. From the rear view, push the DM tray and gently pull any sheets of paper out.



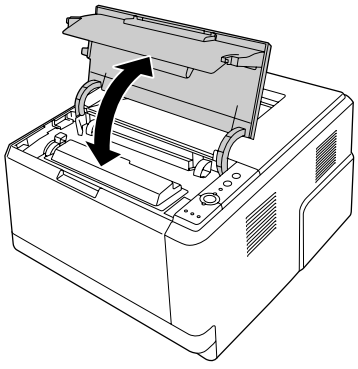
Note:
Do not touch any metal part except the green lever on the DM tray.

3. From the front view, push the DM tray and gently pull any sheets of paper out.



4. Reinstall the paper cassette.

5. Open and close the top cover.



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Printing a Status Sheet

To confirm the current status of the printer, and that the options are installed correctly, print a status sheet using the printer's control panel or the printer driver.

To print a status sheet from the printer's control panel, see "Control panel" on page 22.

To print a status sheet from the printer driver, for Windows, see "Printing a status sheet" on page 113.

Operational Problems

The Ready light does not turn on

Cause	What to do
The power cord may not be properly plugged into the electrical outlet.	Turn off the printer, check the power cord connections between the printer and the electrical outlet, then turn the printer back on.
The electrical outlet may be controlled by an outside switch or an automatic timer.	Make sure that the switch is turned on or plug another electrical device into the outlet to check whether the outlet is operating properly.

The printer does not print (Ready light off)

Cause	What to do
The printer is offline.	Press the **Start/Stop** button once to switch the printer to ready status.
Some error may have occurred.	Check if an error light is on or flashing. See "Status and Error Lights" on page 100.

The Ready light is on but nothing prints

Cause	What to do
Your computer may not be properly connected to the printer.	Perform the procedure illustrated in the *Setup Guide*.
The interface cable may not be plugged in securely.	Check both ends of the interface cable between the printer and the computer.

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You may not be using the correct interface cable.	If you are using the USB interface, use a Revision 2.0 cable.
Your application software is not properly set up for your printer.	Make sure that the printer is selected in your application software.
Your computer system's memory is too small to handle the volume of data in your document.	Try reducing the image resolution of your document in the application software, or install more memory in your computer if you can.

The optional product is not available

Cause	What to do
The printer does not recognize the optional product.	Print a status sheet to see if the printer recognizes the optional product. If not, reinstall the optional product.
For Windows users, EPSON Status Monitor is not installed. For Macintosh users, you do not re-register the printer.	**For Windows users:** You have to install EPSON Status Monitor, or make settings manually in the printer driver. See "Making Optional Settings" on page 113. **For Macintosh users:** When you have attached or removed options from the printer, you need to start EPSON Status Monitor, or delete and re-register the printer. To delete the printer, use **Print Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2).

The remaining service life of the toner cartridge is not updated (For Windows users only)

Cause	What to do
The interval between updating information for the consumables is too long.	Press the **Get Information Now** button on the Consumable Info Settings dialog box. You can also change the interval for updating information about the consumables on the Consumable Info Settings dialog box.

Printout Problems

The font cannot be printed

Cause	What to do

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For Windows users, you may use the printer fonts substituted for specified TrueType fonts.	In the printer driver, choose the **Print TrueType fonts as bitmap** check box in the Extended Settings dialog box.
The selected font is not supported by your printer.	Make sure that you have installed the correct font. See the *Font Guide* for more information.

Printout is garbled

Cause	What to do
The interface cable may not be plugged in securely.	Make sure that both ends of the interface cable are plugged in securely.
You may not be using the correct interface cable.	If you are using the USB interface, use a Revision 2.0 cable.

Note:
If a status sheet does not print correctly, your printer may be damaged. Contact your dealer or a qualified service representative.

The printout position is not correct

Cause	What to do
The page length and margins may be set incorrectly in your application.	Make sure that you are using the correct page length and margin settings in your application.
The Paper Size setting may be incorrect.	Make sure that the correct paper size is selected in the printer driver settings.
MP Tray Size setting may be incorrect.	Make sure that you have selected MP Tray in the Paper Source drop-down list and specified the correct paper size in the printer driver settings.

Graphics do not print correctly

Cause	What to do
The printer emulation setting in your application may be incorrect.	Make sure that your application is set for the printer emulation you are using. For example, if you are using the ESC/Page mode, make sure that your application is set to use an ESC/Page printer.
You may need more memory.	Graphics require large amounts of memory. Install an appropriate memory module. See "Memory Module" on page 59.

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Print Quality Problems

The background is dark or dirty

Cause	What to do
You may not be using the correct type of paper for your printer.	If the surface of your paper is too rough, printed characters may appear distorted or broken. Smooth, high-quality copier paper is recommended for best results. See "Available paper types" on page 153 for information on choosing paper.
The paper path inside the printer may be dusty.	Clean internal printer components by printing three pages with only one character per page.
The **Density** setting may be too dark.	In the printer driver, click the **Optional Settings** tab in the Extended Settings dialog box, then lighten the **Density** setting.

White dots appear in the printout

Cause	What to do
The paper path inside the printer may be dusty.	Clean internal printer components by printing three pages with only one character per page.

Print quality or tone is uneven

Cause	What to do
Your paper may be moist or damp.	Do not store paper in a humid or damp environment.
The toner cartridge may be near the end of its service life.	If the message in EPSON Status Monitor indicates that the toner cartridge is near the end of its service life, replace it. See "Precautions for Replacing the Toner Cartridge" on page 64. For Windows users, you can also check the remaining service lives of the toner cartridge by looking at the Basic Settings tab in the printer driver.

A vertical line appears on the printout

Cause	What to do
Either the metal roller or photoconductor wire inside the printer is dirty.	Clean the metal roller and photoconductor wire inside the printer. For details, see "Cleaning inside the printer" on page 69.

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Toner smudges

Cause	What to do
Your paper may be moist or damp.	Do not store your paper in a humid or damp environment.
You may not be using the correct type of paper for your printer.	Smooth, high-quality copier paper is recommended for best results. See "Available paper types" on page 153 for information on choosing paper.
The paper path inside the printer may be dusty.	Clean internal printer components by printing three pages with only one character per page.

Areas are missing in the printed image

Cause	What to do
Your paper may be moist or damp.	This printer is sensitive to moisture absorbed by the paper. The higher the moisture content in the paper, the lighter the printout. Do not store paper in a humid or damp environment.
You may not be using the correct type of paper for your printer.	If the surface of your paper is too rough, printed characters may appear distorted or broken. Smooth, high-quality copier paper is recommended for best results. See "Available paper types" on page 153 for information on choosing paper.

Completely blank pages are output

Cause	What to do
The printer may have loaded more than one sheet at a time.	Remove the paper stack and fan it. Tap it on a flat surface to even the edges, then reload the paper.
The problem may be with your application or interface cable.	Print out a status sheet. See "Printing a Status Sheet" on page 90. If a blank page is ejected, the problem may be with the printer. Turn off the printer and contact your dealer.
The Paper Size setting may be incorrect.	Make sure that the correct paper size is selected in the printer driver settings.
MP Tray Size setting may be incorrect.	Make sure that you have selected MP Tray in the Paper Source drop-down list and specified the correct paper size in the printer driver settings.
The cartridge seal may not be pulled out of the toner cartridge.	Make sure that the cartridge seal has been pulled out completely. For details, see the instructions on the toner cartridge package.

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The toner cartridge may be near the end of its service life.	If the message in EPSON Status Monitor indicates that the toner cartridge is near the end of its service life, replace it. See "Precautions for Replacing the Toner Cartridge" on page 64. For Windows users, you can also check the remaining service life of the toner cartridge by looking at the Basic Settings tab in the printer driver.

The printed image is light or faint

Cause	What to do
Your paper may be moist or damp.	Do not store your paper in a humid or damp environment.
The Toner Save mode may be on.	Turn off the Toner Save mode using the printer driver. To modify the Toner Save mode using the printer driver, select the **Advanced** button in the Basic Settings tab, and click the **More Settings**. Deselect the **Toner Save** check box in the More Settings dialog box for Windows users or in the Advanced dialog for Mac users.
The toner cartridge may be near the end of its service life.	If the message in EPSON Status Monitor indicates that the toner cartridge is near the end of its service life, replace it. See "Precautions for Replacing the Toner Cartridge" on page 64. For Windows users, you can also check the remaining service life of the toner cartridge by looking at the Basic Settings tab in the printer driver.

The non-printed side of the page is dirty

Cause	What to do
Toner may have spilled onto the paper feed path.	Clean internal printer components by printing three pages with only one character per page.
Printing was made right after clearing the paper jam.	Make a few one-sided printouts.

Print quality decreased

Cause	What to do
The printer cannot print in the required quality level because of insufficient memory, and the printer lowers the quality automatically so that the printer can continue printing.	Check to see if the printout is acceptable. If not, add more memory for a permanent solution or lower print quality temporarily in the printer driver.

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Memory Problems

Insufficient memory for current task

Cause	What to do
The printer has insufficient memory for current task.	Add more memory for a permanent solution or lower print quality temporarily in the printer driver.

Insufficient memory to print all copies

Cause	What to do
The printer does not have sufficient memory to collate print jobs.	Only one set of copies will be printed. Reduce the contents of print jobs, or add more memory. For information on installing more memory, see "Memory Module" on page 59.

Paper Handling Problems

Paper does not feed properly

Cause	What to do
The paper guides are not set correctly.	Make sure that the paper guides in all the paper cassettes and the MP tray are set to the correct paper size positions.
The paper source setting may not be correct.	Make sure that you have selected the correct paper source in your application.
There may be no paper in the paper source.	Load paper into the selected paper source.
The size of loaded paper differs from the selected paper size in the printer driver.	Make sure that the correct paper size is selected in the printer driver settings.
The size/type of loaded paper is not selected in the Printer Settings dialog box.	In the Printer Settings dialog box in the printer driver, set the size/type of loaded paper properly.
Too many sheets may be loaded in the MP tray or paper cassettes.	Make sure that you have not tried to load too many sheets of paper. For the maximum paper capacity for each paper source, see "General" on page 155.
If paper does not feed from the optional paper cassette unit, the unit may not be installed properly.	For instructions on installing the unit, see "Optional Paper Cassette Unit" on page 55.
When you make duplex printing from the MP tray, the standard paper cassette is not installed.	Install the standard paper cassette.

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When the optional paper cassette is installed, the cassettes located above the one to feed paper from are not installed.	Set all the paper cassettes above the one to feed paper from.
The pickup roller is dirty.	Clean up the pickup roller. For instructions, see "Cleaning the pickup roller" on page 67.
The optional paper cassette may not be installed properly.	See "Optional Paper Cassette Unit" on page 55 for instructions on installing an optional paper cassette unit.

Problems Using Options

To confirm your options are installed correctly, print a status sheet. See "Printing a Status Sheet" on page 90 for details.

Feed jam when using the optional paper cassette

Cause	What to do
The paper is jammed at the optional paper cassette.	See "Clearing Jammed Paper" on page 76 to clear jammed paper.

An installed option cannot be used

Cause	What to do
The installed option is not defined in the printer driver.	**For Windows users:** You have to make settings manually in the printer driver. See "Making Optional Settings" on page 113. **For Macintosh users:** When you have attached or removed options from the printer, you need to start EPSON Status Monitor, or delete and re-register the printer. To delete the printer, use **Print Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2).

Correcting USB Problems

If you are having difficulty using printer with a USB connection, see if your problem is listed below, and take any recommended actions.

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USB connections

USB cables or connections can sometimes be the source of USB problems.

For best results, you should connect the printer directly to the computer's USB port. If you must use multiple USB hubs, we recommend that you connect the printer to the first-tier hub.

Windows operating system

Your computer must be a model pre-installed with Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64, or a model that was pre-installed with Windows 2000, Server 2003, or Server 2003 x64, and upgraded to Windows Vista, Vista x64, XP or XP x64. You may not be able to install or run the USB printer driver on a computer that does not meet these specifications or that is not equipped with a built-in USB port.

For details about your computer, contact your dealer.

Printer software installation

Incorrect or incomplete software installation can lead to USB problems. Take note of the following and perform the recommended checks to ensure proper installation.

Checking printer software installation

When using Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64, you must follow the steps in the *Setup Guide* packed with the printer to install the printer software. Otherwise, Microsoft's Universal driver may be installed instead. To check if the Universal driver has been installed, follow the steps below.

1. Open the **Printers** folder, then right-click the icon of your printer.

2. Click **Printing Preferences** on the shortcut menu that appears, then right-click anywhere in the driver.

   If **About** is displayed in the shortcut menu that appears, click it. If a message box with the words "Unidrv Printer Driver" appears, you must reinstall the printer software as described in the *Setup Guide*. If About is not displayed, the printer software has been installed correctly.

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Note:
*For Windows 2000, if the Digital Signature Not Found dialog box appears during the installation process, click **Yes**. If you click **No**, you will have to install the printer software again.*
*For Windows Vista, Vista x64, XP, XP x64, Server 2003, or Server 2003 x64, if the Software Installation dialog box appears during the installation process, click **Continue Anyway**. If you click **STOP Installation**, you will have to install the printer software again.*

Network Connection Problems (only for the DN model)

Cannot install software or drivers

Cause	What to do
You are not accessing the operating system with the administrative privilege.	Access the operating system with the administrative privilege.

Cannot access the shared printer

Cause	What to do
Inappropriate texts are used for the Share name of the shared printer.	Do not use spaces or hyphens for the Share name.
An additional driver cannot be installed on the client computer, although the print server's OS and the client OS are different.	Install the printer drivers from the CD-ROM.
Your network system causes this problem.	Ask the administrator of the network for assistance.

Note:
For the additional driver to be installed, please see the table below.

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Server OS	Client OS	Additional Driver
Windows 2000	Windows XP or 2000 clients	Intel Windows 2000
Windows XP*	Windows XP or 2000 clients	Intel Windows 2000 or XP
	Windows XP x64 clients	x64 Windows XP
Windows XP x64, Server 2003, or Server 2003 x64*	Windows XP or 2000 clients	x86 Windows 2000, Windows XP and Windows Server 2003
	Windows XP x64 clients	x64 Windows XP and Windows Server 2003
Windows Vista, Vista x64	Windows Vista, XP, 2000 or Server 2003 clients	x86 Type 3 - User Mode
	Windows Vista x64, XP x64 or Server 2003 x64 clients	x64 Type 3 - User Mode

* The additional driver for Windows XP x64 and Server 2003 x64 can be used on Windows XP Service Pack 2, Windows 2003 Service Pack 1, or later.

Status and Error Lights

You can check the printer status from combinations and patterns of the error lights on the control panel. For information on the location of the lights, see "Control panel" on page 22.

Note:
You can check the printer status and error easily on the computer by using EPSON Status Monitor. For details about EPSON Status Monitor, for Windows see "Using EPSON Status Monitor" on page 114, for Macintosh see "Using EPSON Status Monitor" on page 135.

The status of the lights are illustrated below.

●	light on
☀	blink rapidly (every 0.3 seconds)
☀	blink slowly (every 0.6 seconds)
☀	blink very slowly (turn on for 0.6 seconds, off for 2.4 seconds)
○	Light off

◉ ***Note:***
How the lights change depends on an error type. Ignore this mark.

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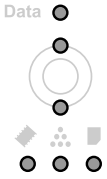
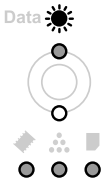
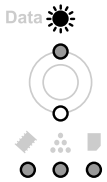
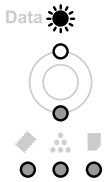
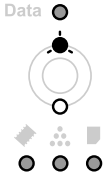
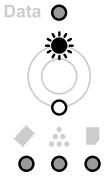
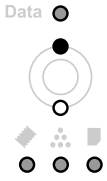
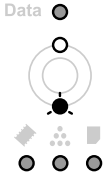
	**Reset**
	Explanation: The printer's current interface has been reset and the buffer has been cleared. However, other interfaces are still active and retain their settings and data.
	**Form Feed**
	Explanation: The printer is ejecting paper due to a user request. This warning appears when pressing the **Start/Stop** button once to make the printer offline, then holding down the **Start/Stop** button for more than 2 seconds in order not to receive form feed command.
	**Status Sheet**
	Explanation: The printer is printing the status sheet. Wait until the printing is finished.
	**Writing ROM**
	Explanation: The ROM module in the slot is being written. Wait until the light is off.
	**Sleep Mode**
	Explanation: The printer is currently in the power-save mode. This mode is canceled when the printer receives print data.
	**Warming Up**
	Explanation: The printer is warming up the fuser to be ready to print.
	**Ready**
	Explanation: The printer is ready to receive data and print.
	**Offline**
	Explanation: The printer is not ready to print. Press the **Start/Stop** button.

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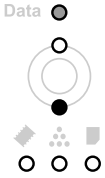
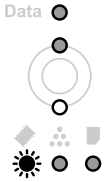
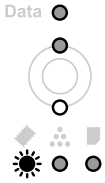
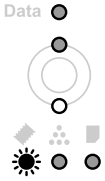
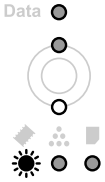
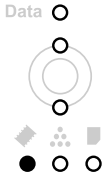
	**Cover Open**
	Explanation: The cover on the printer is open. Close the cover.
	**Print Data Error**
	Explanation: The print data is deleted because it is incorrect. Make sure the appropriate printer driver are used.
	**Insufficient Memory to Print All Copies**
	Explanation: Printing by the specified number of copies is no longer possible due to insufficient memory (RAM). Print only one copy at a time.
	**Print Quality Decreased (due to insufficient memory)**
	Explanation: There is insufficient memory to print the page at the specified print quality. The printer automatically lowers the print quality so that it can continue printing. If the quality of the printout is not acceptable, simplify the page by limiting the number of graphics or reducing the number and size of fonts. You may need to increase the amount of printer memory so that you can get the desired print quality for your document. For more information on adding memory, see "Memory Module" on page 59.
	**Insufficient Memory for Current Task**
	Explanation: The printer has insufficient memory to complete the current print job. Press the Information button on the control panel to clear the warning. To cancel the print job, use your computer to delete it from the print queue. To prevent this problem from recurring, add more memory to your printer as described in "Memory modules" on page 158, or reduce the resolution of the image to be printed.
	**Self Test**
	Explanation: The printer is currently performing a self test and initialization.

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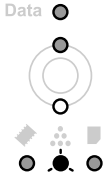
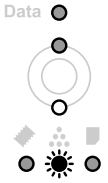
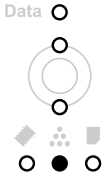
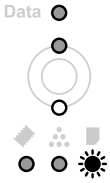
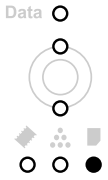
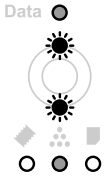
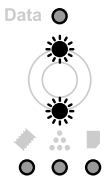
	**Installed Toner Cartridge is Not a Genuine EPSON Product**
	Explanation: The installed toner cartridge is not a genuine EPSON product. Installing a genuine toner cartridge is recommended. Using a non-genuine toner cartridge may affect print quality. EPSON shall not be liable for any damages or problems arising from the use of consumable products not manufactured or approved by EPSON. Install a genuine EPSON product. See "Precautions for Replacing the Toner Cartridge" on page 64 for instructions on replacing the toner cartridge.
	**Toner Low**
	Explanation: The toner cartridge is near the end of its service life. Prepare a new toner cartridge.
	**RAM check**
	Explanation: The printer is checking the RAM.
	**Check Paper Type**
	Explanation: The paper loaded in the printer does not match the paper type setting in the printer driver. Load the correct type of paper into the printer. To clear the warning, press the Information button on the control panel.
	**ROM check**
	Explanation: The printer is checking the ROM.
	**Cancel Print Job**
	Explanation: The printer is canceling the current print job. Wait until the cancellation is finished.
	**Cancel Print Job (by host)**
	Explanation: The print job is canceled at the printer driver. Wait until the cancellation is finished.

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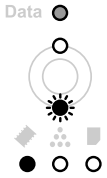
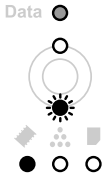
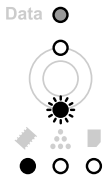
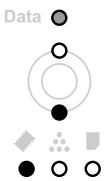
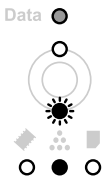
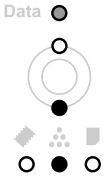
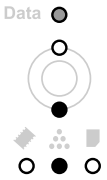
	**Insufficient Memory for Current Task**
	Explanation: The printer has insufficient memory to execute the current task. Press the **Start/Stop** button on the control panel to resume printing, or press the 🗑 **Cancel Job** button to cancel the print job.
	**Insufficient Memory for Duplex Printing**
	Explanation: There is not enough memory for duplex printing. The printer prints only on the front and ejects the paper. Press the **Start/Stop** button to print on the back of the next sheet, or press the 🗑 **Cancel Job** button to cancel the print job. Printing resumes automatically after a certain period of time.
	**Page contains too much data to process**
	Explanation: The required time to process the print data exceeded the print engine speed because the current page is too complex. Replace the loaded paper with the correct size paper and press the **Start/Stop** button to resume printing, or press the 🗑 **Cancel Job** button to cancel the print job.
	**Write Error ROM**
	Explanation: This warning indicates an internal error in the printer. Reset the printer. If this error persists, consult your dealer.
	**Installed Toner Cartridge is Not a Genuine EPSON Product**
	Explanation: The installed toner cartridge is not a genuine EPSON product. Installing a genuine toner cartridge is recommended. Using a non-genuine toner cartridge may affect print quality. EPSON shall not be liable for any damages or problems arising from the use of consumable products not manufactured or approved by EPSON. Install a genuine EPSON product. See "Precautions for Replacing the Toner Cartridge" on page 64 for instructions on replacing the toner cartridge. To continue printing, press **Start/Stop** button.
	**No Toner Cartridge/Developer Unit Installed**
	Explanation: Either the toner cartridge/developer unit is not installed or is installed incorrectly. Check to see if the toner cartridge and the developer unit are installed properly and follow the instructions under "Precautions for Replacing the Toner Cartridge" on page 64 to install or uninstall them.
	**Toner Cartridge Identification Error**
	Explanation: Either the toner cartridge is installed incorrectly or a different manufacturer's cartridge is installed. Reset the toner cartridge or replace it to a new one. See "Precautions for Replacing the Toner Cartridge" on page 64 for instructions.

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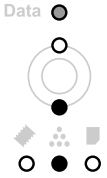
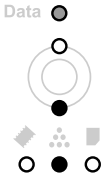
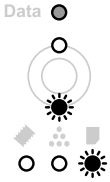
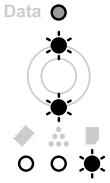
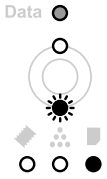
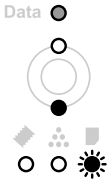
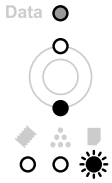
	**Toner Cartridge Memory Error**
	Explanation: A memory read/write error has occurred. Reset the toner cartridge or replace it to a new one. See "Precautions for Replacing the Toner Cartridge" on page 64 for instructions. If this does not resolve the problem, turn the power off and then on again.
	**Replace Toner**
	Explanation: The indicated toner cartridges have reached the end of its service life and need to be replaced. When the **Error** light turns on, you cannot continue printing. Replace the toner cartridge with a new one. See "Precautions for Replacing the Toner Cartridge" on page 64 for instructions.
	**Check Paper Size**
	Explanation: The paper loaded in the specified paper source does not match the required paper size. Replace the loaded paper with the correct size paper and press the **Start/Stop** button to resume printing, or press the **Cancel Job** button to cancel the print job.
	**Manual Feed**
	Explanation: Indicates that the Manual Feed setting is selected in the printer driver. Make sure that the desired paper is displayed in the printer driver and loaded in the manual feed slot on the MP tray. You have to press the **Start/Stop** button once when you want to print in manual feed mode. If you want to print from the MP tray or the optional 250-sheet Paper Cassette Unit after printing in the manual mode, be sure to clear the Manual Feed setting in the printer driver settings. Note: Before printing in the manual feed mode, take out the paper from other paper sources.
	**Duplex Printing Error**
	Explanation: The printer has encountered problems during duplex printing. They may be caused by incorrect settings for the paper source you are using. Make sure you are using an appropriate type and size of paper for the duplex printing.
	**Paper Cassette Not Installed**
	Explanation: The paper cassette is not installed, or not installed properly. Install the paper cassette correctly.
	**Paper Out**
	Explanation: There is no paper in the specified paper source. Load paper of the size into the paper source.

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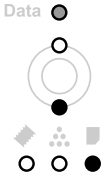
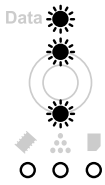
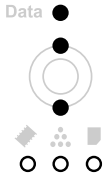
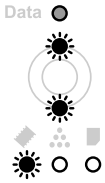
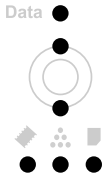
	**Paper Jam**
	Explanation: A paper jam occurs. Clear the paper jam. See "Clearing Jammed Paper" on page 76 for instructions.
	**Reset All**
	Explanation: All printer settings have been reset to the default configuration, or to the last settings that were saved.
	**Service Required (engine error)**
	Explanation: A print engine error has been detected. Turn off the printer. Wait at least 5 seconds, then turn it back on. If the lights come on again, turn off the printer, unplug the power cord, and contact a qualified service representative.
	**Cancel All Print Jobs**
	Explanation: The printer is canceling all print jobs in the printer memory, including jobs the printer is currently receiving or printing. Wait until the cancellation is finished.
	**Service Required (controller error)**
	Explanation: A controller error has been detected. Turn off the printer. Wait at least 5 seconds, then turn it back on. If all the lights come on again, turn off the printer, unplug the power cord, and contact a qualified service representative.

Canceling Printing

Press the **Cancel Job** button on the printer's control panel.

To cancel a print job before it is sent from your computer, see "Cancelling a Print Job" on page 33.

Printing in the PostScript 3 Mode Problems

The problems listed in this section are those that you may encounter when printing with the PostScript driver. All procedural instructions refer to the PostScript printer driver.

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The printer does not print correctly in the PostScript mode

Cause	What to do
The printer's emulation mode setting is incorrect.	The printer is set to the Auto mode by default, so that it can automatically determine the encoding used in the received print job data and select the appropriate emulation mode. However, there are situations where the printer cannot select the correct emulation mode. In this case, it must be set manually to PS3. Set the emulation mode through the SelecType Emulation Menu on the printer. For details about setting, see the Network Guide.
The printer's emulation mode setting for the interface that you are using is incorrect.	The emulation mode can be set individually for each interface which receives print job data. Set the emulation mode for the interface you are using to PS3. Set the emulation mode through the SelecType Emulation Menu on the printer. For details about setting, see the Network Guide.

The printer does not print

Cause	What to do
The **Print to file** check box is selected in the Print dialog box (except on Mac OS X).	Clear the **Print to file** check box in the Print dialog box.
The **Save as File** check box is selected on the Output Options sheet in the Print dialog box (Mac OS X only).	Clear the **Save as File** check box on the Output Options sheet in the Print dialog box.
An incorrect printer driver is selected.	Make sure that the PostScript printer driver that you are using to print is selected.
The Emulation Menu in the printer's Control Panel is set to a mode other than Auto or PS3 for the interface that you are using.	Change the mode setting to either Auto or PS3. For details about setting, see the Network Guide.

The printer driver or printer that you need to use does not appear in the Printer Setup Utility (Mac OS 10.3.x and 10.4.x) or Print Center (Mac OS 10.2)

Cause	What to do
The printer name has been changed.	Ask the network administrator for details, then select the appropriate printer name.

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The AppleTalk zone setting is incorrect.	Open the **Printer Setup Utility** (Mac OS 10.3.x and 10.4.x) or **Print Center** (Mac OS 10.2), then select the AppleTalk zone that the printer is connected to.

The font on the printout is different from that on the screen

Cause	What to do
The PostScript screen fonts are not installed.	The PostScript screen fonts must be installed on the computer that you are using. Otherwise, the font that you select is substituted by some other font for display on the screen.
For Windows users only The appropriate substitution fonts are not correctly specified on the Device Settings sheet of the printer's Properties dialog box.	Specify the appropriate substitution fonts using the Font Substitution Table.

The printer fonts cannot be installed

Cause	What to do
The Emulation menu in the printer's Control Panel is not set to PS3 for the interface that you are using.	Change the Emulation Menu setting to PS3 for the interface that you are using, then try reinstalling the printer fonts again. For details about setting, see the Network Guide.

The edges of texts and/or images are not smooth

Cause	What to do
The Print Quality is set to **Fast**.	Change the Print Quality setting to **Fine** or **Maximum**.
The printer does not have sufficient memory.	Increase the printer memory.

The printer does not print normally via the USB interface

Cause	What to do

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For Windows users only The Data Format setting in the printer's Properties is not set to **ASCII** or **TBCP**.	The printer cannot print binary data when it is connected to the computer via the USB interface. Make sure that the Data Format setting, which is accessed by clicking **Advanced** on the PostScript sheet of the printer's Properties, is set to **ASCII** or **TBCP**. If your computer is running Windows Vista, Vista x64, XP, XP x64, click the **Device Settings** tab in the printer's Properties, then click the **Output Protocol** setting and select **ASCII** or **TBCP**.

The printer does not print normally via the network interface (only for the DN model)

Cause	What to do
The Data Format setting is different from the data format setting specified in the application (except on Mac OS X)	If the file is created in an application that allows you to change the data format or encoding, such as Photoshop, make sure that the setting in the application matches that in the printer driver.
For Windows users only The computer is connected to the network using AppleTalk in a Windows 2000 environment, and the **Send CTRL+D Before Each Job** or **Send CTRL+D After Each Job** setting on the Device Settings sheet of the printer's Properties dialog box is set to **Yes**.	Make sure that both the **Send CTRL+D Before Each Job** and **Send CTRL+D After Each Job** settings are set to **No**.
The network connection is something other than AppleTalk, and the Data Format setting is not set to **ASCII** data.	The network connection is something other than AppleTalk, and the Data Format setting is not set to **ASCII** data.
For Windows users only The print data is too large.	Click **Advanced** on the PostScript sheet of the printer's Properties, then change the Data Format setting from ASCII data (default) to TBCP (Tagged binary communications protocol). When the Binary setting is set to On, TBCP is not available. Use the Binary protocol. For details about setting, see the Network Guide.
For Windows users only Printing cannot be performed using the network interface.	Click **Advanced** on the PostScript sheet of the printer's Properties, then change the Data Format setting from ASCII data (default) to TBCP (Tagged binary communications protocol). When the Binary setting is set to On, TBCP is not available. Use the Binary protocol. For details about setting, see the Network Guide.

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An undefined error occurs (Macintosh only)

Cause	What to do
The version of the Mac OS that you are using is unsupported.	This printer's driver can only be used on Macintosh computers running Mac OS X version 10.2.8 or later.

Printing in the PCL6/PCL5 Mode Problems

The problems listed in this section are those that you may encounter when printing in the PCL6 mode. All procedural instructions, refer to the PCL6 printer driver.

The printer does not print

Cause	What to do
The **Print to file** check box is selected in the Print dialog box.	Clear the **Print to file** check box in the Print dialog box.

The printer does not print correctly in the PCL mode

Cause	What to do
(PCL6 mode only) Graphics Mode may be set to **Vector** and the printing data may include the data that cannot be printed in the setting.	Access the printer driver, click the **Graphics** tab, click **Options**, then select **Raster as Graphics Mode**.

The printer does not start manual duplex printing (PCL6 only)

Cause	What to do
The **Print directly to the printer** check box is not selected.	Select the **Print directly to the printer** check box on the **Details** tab.
The **Network** port is selected.	Change the port to either **LPT** or **USB**. The page order for duplex printing will be corrected.

The font on the printout is different from that on the screen

Cause	What to do

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The EPSON Screen Fonts are not installed.	The screen fonts must be installed on the computer that you are using. Otherwise, the font that you select is substituted by some other font for display on the screen.

The edges of texts and/or images are not smooth

Cause	What to do
(PCL6 mode only) The resolution is set to **Fast (300 dpi)**.	Access the printer driver, click the **Graphics** tab, then select **Fine (600 dpi)** as the resolution.
The printer does not have sufficient memory.	Increase the printer memory.
(PCL6 mode only) The RITech is set to **Off**.	Access the printer driver, click the **Graphics** tab, then select **On** for RITech from the drop-down list.

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Chapter 7

About the Printer Software for Windows

Using the Printer Driver

The printer driver is the software that allows you to adjust printer settings to get the best results.

Note:
The printer driver's online help provides details on printer driver settings.

Note for Windows Vista users:
Do not press the power button or put your computer to standby or hibernate mode manually during printing.

Accessing the printer driver

You can access the printer driver directly from any application programs, and from your Windows operating system.

The printer settings made from any Windows applications override the setting made from the operating system.

From the application

Click **Print**, **Print Setup**, or **Page Setup** from the File menu. As necessary, click **Setup**, **Options**, **Properties**, or a combination of these buttons.

Windows Vista users

Click **Start**, click **Control Panel**, then double-click **Printers**. Right-click your printer's icon, then click **Printing Preferences**.

Windows XP, Server 2003 users

Click **Start**, click **Printers and Faxes**. Right-click your printer's icon, then click **Printing Preferences**.

Windows 2000 users

Click **Start**, point to **Settings**, then click **Printers**. Right-click your printer's icon, then click **Printing Preferences**.

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Printing a status sheet

To confirm the current status of the printer, print a status sheet from the printer driver.

1. Access the printer driver.
2. Click the **Optional Settings** tab and then click **Status Sheet**.

Changing the Printer Settings

You can change the printer settings, such as tray, printing, and setup menu. To open the dialog box, click **Printer Setting** on the Optional Settings tab.

Making Extended Settings

You can make various settings in the Extended Settings dialog box. To open the dialog box, click **Extended Settings** on the Optional Settings tab.

Making Optional Settings

You can update the installed option information manually if you have installed options to your printer.

1. Access the printer driver.
2. Click the **Optional Settings** tab, then select **Update the Printer Option Info Manually**.
3. Click **Settings**. The Optional Settings dialog box appears.
4. Make settings for each installed option, then click **OK**.

Displaying consumable information

The remaining service life of the toner cartridge is displayed on the Basic Settings tab.

Note:

- ❏ *This function is available only when EPSON Status Monitor is installed.*
- ❏ *This information might be different from the information displayed in EPSON Status Monitor. Use EPSON Status Monitor to get more detailed information about consumables.*

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❏ *If the genuine EPSON toner cartridge is not used, the level indicator and the alert icon showing the remaining service life are not displayed.*

Ordering Consumables

Click the **Order Online** button on the Basic Settings tab. See "Order Online" on page 122 for details.

Note:
This function is available only when EPSON Status Monitor is installed.

Using EPSON Status Monitor

EPSON Status Monitor is a utility program that monitors your printer and gives you information about its current status.

Installing EPSON Status Monitor

1. Make sure that the printer is off and that Windows is running on your computer.

2. Insert the printer software CD-ROM in the CD-ROM drive.

   Note:
   ❏ *If the Epson Installation Program screen does not appear automatically, click* ***Start****, then click* ***Computer*** *(for Windows Vista) or click the* ***My Computer*** *icon on the desktop (for Windows XP, 2000 or Server 2003). Right-click the CD-ROM icon, click* ***Open*** *in the menu that appears, then double-click* ***Epsetup.exe****.*

   ❏ *If the language selection window appears, select your language.*

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3. Click **Custom Install**.

Note:

❏ *See the Network Guide for information on installing EPSON Status Monitor on a network.*

❏ *If you want to use the printer via the print server, you have to install EPSON Status Monitor from the CD-ROM with administrator privileges in each client.*

4. Click **EPSON Status Monitor**.

5. Make sure that your printer's icon is selected, and click **OK**.

6. Read the license agreement statement, then click **Accept**.

7. Select your country or region, then click **OK**. EPSON Web site is registered.

Note:

❏ *Be sure to register the Web site to order consumables online.*

❏ *If you click the **Cancel** button, the Web site is not registered, but the EPSON Status Monitor installation continues.*

8. When the installation is complete, click **OK**.

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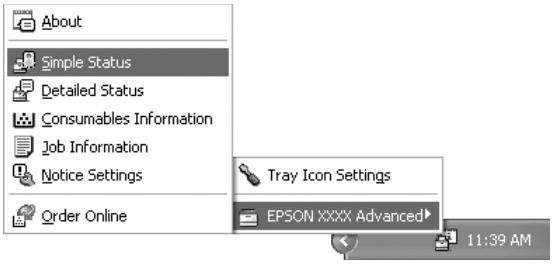
Accessing EPSON Status Monitor

Right-click the EPSON Status Monitor tray icon on the taskbar, then select the printer name and menu you want to access.



Note:

- ❏ *You can also access EPSON Status Monitor by clicking the **Simple Status** button on the Optional Settings tab on the printer driver.*
- ❏ *The Order Online dialog box also appears by clicking the **Order Online** button on the Basic Settings tab in the printer driver.*

About	You can obtain information about EPSON Status Monitor such as product versions or interface versions.
Simple Status	You can check printer status, errors, and warnings.
Detailed Status*	You can monitor detailed printer status. When a problem occurs, the most probable solution is displayed. See "Detailed Status" on page 117.
Consumables Information*	You can obtain information on paper sources and consumable products. See "Consumables Information" on page 118.
Job Information*	You can check print job information. See "Job Information" on page 119.
Notice Settings	You can make specific monitoring settings. See "Notice Settings" on page 121.
Order Online	You can order consumables online. See "Order Online" on page 122.
Tray Icon Settings	You can set the information to display when the Tray icon is double-clicked.

* You can also access any of the menus by clicking the appropriate tab on each information window.

Note for Windows Vista users:
EPSON Status Monitor is not available for monitoring Netware printers.

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Note for Windows XP users:
EPSON Status Monitor is not available when printing from a Remote Desktop connection.

Note for Netware users:
When monitoring NetWare printers, a Novell Client that corresponds to your operating system must be used. Operation is confirmed for the versions below:

- *For Windows XP or 2000:*
  Novell Client 4.91 SP1 for Windows 2000/XP
- *To monitor a NetWare printer, connect only one print server to each queue. For directions, see the Network Guide for the printer.*
- *You cannot monitor a NetWare queue printer beyond the IPX router because the setting for IPX hops is 0.*
- *This product supports NetWare printers configured by a queue-based printing system such as Bindery or NDS. You cannot monitor NDPS (Novell Distributed Print Services) printers.*

Detailed Status

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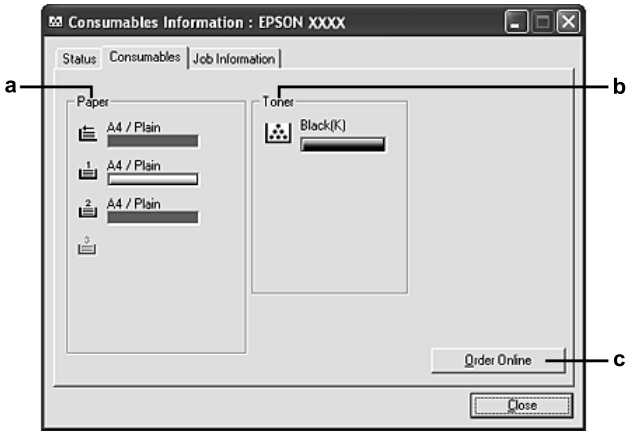
Consumables Information



a.	Paper:	Displays the paper size, the paper type and the approximate amount of paper remaining in the paper source.
b.	Toner:	Indicates the remaining service life of the toner cartridge. The toner icon flashes when the toner cartridge has some error or has neared the end of its service life.
c.	Order Online button:	Clicking this button enables you to order consumables online. See "Order Online" on page 122 for details.

Note:
The remaining service life of the toner cartridge is displayed only if the genuine EPSON toner cartridge is used.

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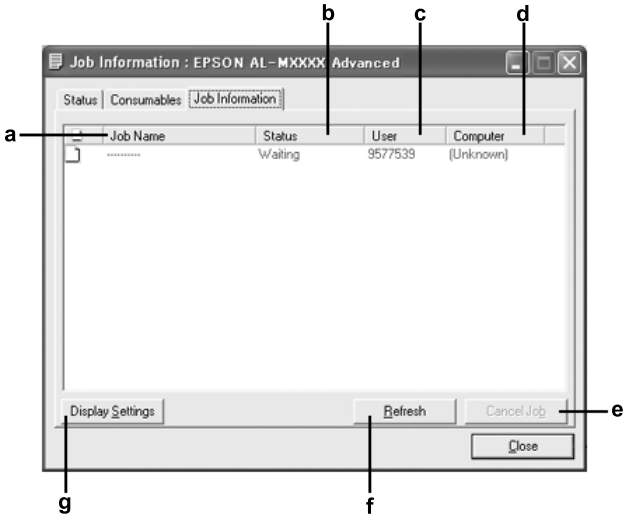
Job Information



a.	Job Name:	Displays the user's print job names. Other user's print jobs are displayed as --------.	
b.	Status:	Waiting:	Indicates the print job is waiting to be printed.
		Spooling:	Indicates the print job is being spooled on your computer.
		Deleting:	Indicates the print job is being deleted.
		Printing:	Indicates the print job is printed currently.
		Completed:	Indicates the print job has been finished.
		Canceled:	Indicates the print job has been cancelled.
		Held:	Indicates the print job is on hold.
c.	User:	Displays the user name.	
d.	Computer:	Displays the name of the computer that sent the print job.	
e.	Cancel Job button:	Cancels the selected print job.	
f.	Refresh button:	Refreshes the information on this menu.	
g.	Display Settings button:	Displays the Display Settings dialog box to select items and the order they are displayed on the Job Information screen and to select the type of jobs to be displayed.	

Note for Windows XP users:
Shared Windows XP LPR connections and shared Windows XP Standard TCP/IP connections with Windows clients do not support the job management function.

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The **Job Information** tab is available when the following connections are used:

Server and Client Environments:

- ❏ When using the shared Windows 2000, Server 2003, or Server 2003 x64 LPR connection with Windows Vista, Vista x64, XP, XP x64, or 2000 clients.
- ❏ When using the shared Windows Vista, Vista x64, 2000, Server 2003, or Server 2003 x64 Standard TCP/IP connection with Windows Vista, Vista x64, XP, XP x64, or 2000.
- ❏ When using the shared Windows Vista, Vista x64, 2000, Server 2003, or Server 2003 x64 EpsonNet Print TCP/IP connection with Windows Vista, Vista x64, XP, XP x64, or 2000 clients.

Client only Environments:

- ❏ When using the LPR connection (in Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64).
- ❏ When using the Standard TCP/IP connection (in Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64).
- ❏ When using the EpsonNet Print TCP/IP connection (in Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64).

Note:
You cannot use this function in the following situations:

- ❏ *When using an optional Ethernet interface card that does not support the job management function.*
- ❏ *When the NetWare connections do not support the job management function.*
- ❏ *When the printing jobs from NetWare and NetBEUI are displayed as "Unknown" on the Job Management menu.*
- ❏ *Note that if the user account used to log on to a client is different from the user account used to connect to the server, the Job Management function is not available.*

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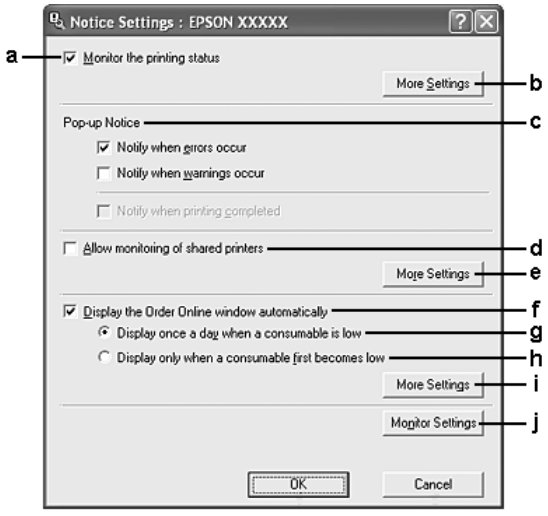
Notice Settings



a.	Monitor the printer status check box:	When this check box is selected, EPSON Status Monitor monitors the printer status during a print job is processed.
b.	More Settings button:	Opens the More Settings dialog box to set how to display the tray icon.
c.	Pop-up Notice:	Sets the notification to be displayed.
d.	Allow monitoring of the shared printers check box:	When this check box is selected, a shared printer can be monitored by other computers. If you connect the printer via a server with Windows Point & Print and the server and the client are both Windows XP or later, it communicates with the OS communication function. Therefore you can monitor the printer without selecting this check box.
e	More Settings button:	Opens the More Settings dialog box to set how to communicate with the shared printer.
f.	Display the Order Online window automatically check box:	When this check box is selected, the Order Online window appears automatically when a consumable becomes low or reaches end of service life and keeps appearing once a day until the consumable is replaced.
g.	Display once a day when a consumable is low check box:	When this radio button is selected, the Order Online window appears automatically once a day when you start printing or display the status by accessing EPSON Status Monitor.
h.	Display only when a consumable first becomes low check box:	When this radio box is selected, the Order Online window appears automatically only when a consumable first becomes low.

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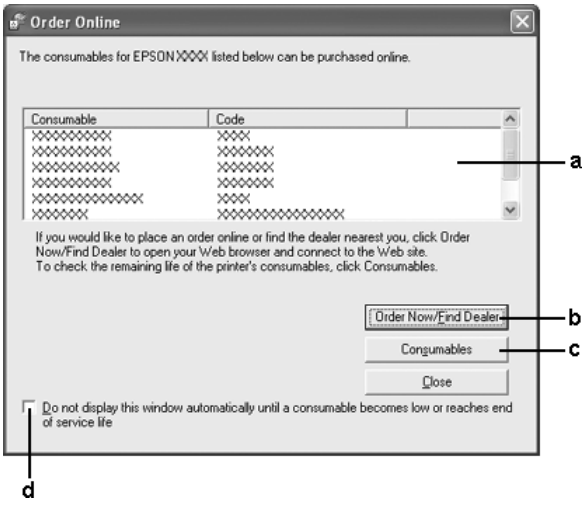
i.	More Settings button:	Opens the More Settings dialog box in which you can set the URL for placing an order appears.
j.	Monitor Settings button:	Opens the Monitor Settings dialog box to set the monitoring interval.

Note for Windows Vista users:
When ***Allow monitoring of the shared printers*** *check box is selected, the User Account Control dialog box will appear. Then click* ***Continue*** *to make the settings.*

Note:
When sharing the printer, be sure to set EPSON Status Monitor so that the shared printer can be monitored on the print server.

Order Online


Order Online
The consumables for EPSON XXXX listed below can be purchased online.
Consumable
Code
If you would like to place an order online or find the dealer nearest you, click Order Now/Find Dealer to open your Web browser and connect to the Web site.
To check the remaining life of the printer's consumables, click Consumables.
Order Now/Find Dealer
Consumables
Close
Do not display this window automatically until a consumable becomes low or reaches end of service life
a
b
c
d

a.	Text box:	Displays the consumables and codes.
b.	Order Now/Find Dealer button:	Connects to the URL where you can place an order and find the dealer nearest you. If you do not want a confirmation message, select the **Do not display the confirmation message before connecting** check box in the More Settings dialog box. The More Settings dialog box appears by clicking the More Settings button in the Notice Settings dialog box.
c.	Consumables button:	Displays the consumables information.

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d.	Do not display this window automatically until a consumable becomes low or reaches end of service life check box:	When this check box is selected, the Order Online window appears automatically only when a consumable first becomes low or reaches end of service life.

Note:
If you do not register the URL when you install Epson Status monitor, you cannot order online. If necessary, uninstall Epson Status Monitor once, then register the URL when you reinstall it.

Uninstalling the Printer Software

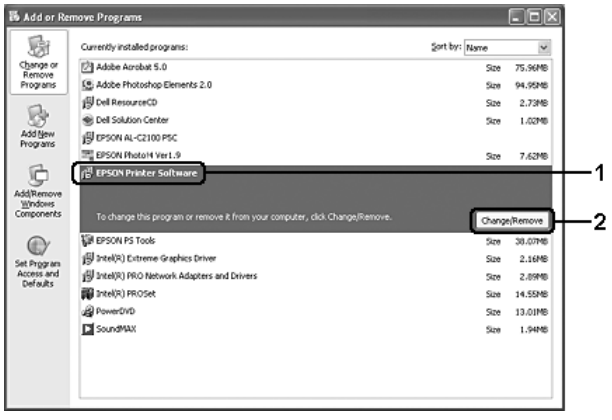
Note:
The illustrations in this section show Windows XP screens. They may be different from the screens for your operating system.

1. Quit all applications.

2. For Windows Vista, click **Start**, then click **Control Panel**.
   For Windows XP, XP x64, Server 2003, or Server 2003 x64, click **Start**, click **Control Panel**, then click **Add or Remove Programs**.
   For Windows 2000, click **Start**, point to **Settings**, then click **Control Panel**.

3. For Windows Vista, double-click the **Programs and Features** icon.
   For Windows XP, XP x64, Server 2003, or Server 2003 x64, click the **Change or Remove Programs** icon.
   For Windows 2000, double-click the **Add/Remove Programs** icon.

4. For Windows Vista, select **EPSON Printer Software**, then click **Uninstall/Change**.
   For Windows XP, XP x64, 2000, Server 2003, or Server 2003 x64, select **EPSON Printer Software**, then click **Change/Remove**.



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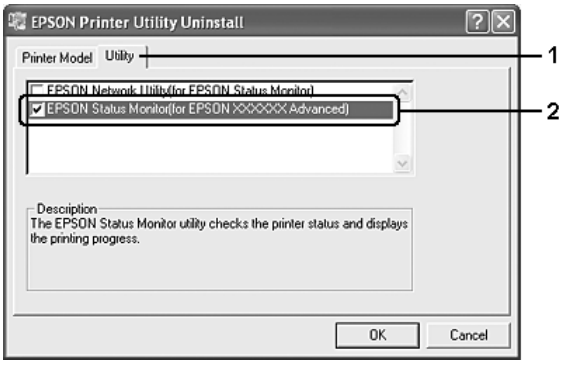
5. Click the **Printer Model** tab, select your printer's icon.

6. If you wish to uninstall only utility, click the **Utilities** tab, and select the check box for the printer software you want to uninstall.



7. Click **OK**.

   Note:
   You can uninstall EPSON Network Utility. When the utility is uninstalled, you cannot display the printer status from EPSON Status Monitor of other printers.

8. Follow the on-screen instructions.

Sharing the Printer on a Network

Sharing the printer

This section describes how to share the printer on a standard Windows network.

The computers on a network can share a printer that is directly connected to one of them. The computer that is directly connected to the printer is the print server, and the other computers are the clients which need permission to share the printer with the print server. The clients share the printer via the print server.

According to the versions of Windows OS and your access rights on the network, perform the appropriate settings of the print server and clients.

Setting the print server

See "Using an additional driver" on page 125.

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Setting the clients

See “With Windows Vista, Vista x64, XP, XP x64, or 2000” on page 129.

Note:

- ❏ *When sharing the printer, be sure to set EPSON Status Monitor so that the shared printer can be monitored on the print server. See “Notice Settings” on page 121.*
- ❏ *The print server and clients should be set on the same network system, and they should be under the same network management beforehand.*

Using an additional driver

When the print server’s OS is Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64, you can install the additional drivers on the server. The additional drivers are for client computers that have different OS from the server.

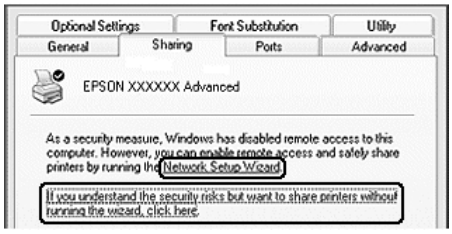
Follow the steps below to set a Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64 as a print server, then install the additional drivers.

Note:
You must access Windows XP, XP x64, 2000, Server 2003, or Server 2003 x64 as the Administrators of the local machine.

1. For a Windows Vista or Vista x64 print server, click **Start**, click **Control Panel**, then double-click **Printers**.
   For a Windows XP, XP x64, Server 2003, or Server 2003 x64 print server, click **Start**, point to **Printers and Faxes**.
   For a Windows 2000 print server, click **Start**, point to **Settings**, then click **Printers**.

2. Right-click your printer’s icon, then click **Sharing** in the menu that appears.

   For Windows Vista, click **Change sharing options**, then click **Continue**.
   For Windows XP, XP x64, Server 2003, or Server 2003 x64, if the following menu appears, click either **Network Setup Wizard** or **If you understand the security risks but want to share printers without running the wizard, click here**.
   In either case, follow the on-screen instructions.


Optional Settings
Font Substitution
Utility
General
Sharing
Ports
Advanced
EPSON XXXXXX Advanced
As a security measure, Windows has disabled remote access to this computer. However, you can enable remote access and safely share printers by running the Network Setup Wizard.
If you understand the security risks but want to share printers without running the wizard, click here.

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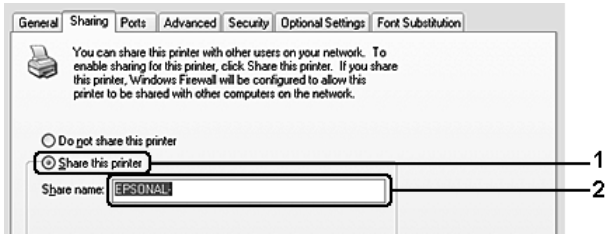
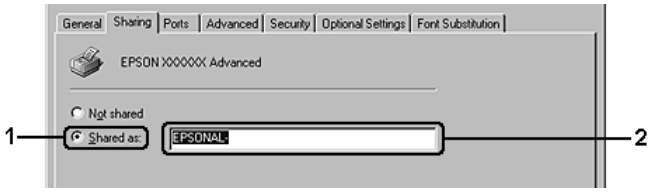
3. For a Windows Vista, Vista x64, XP, XP x64, Server 2003, or Server 2003 x64 print server, select **Share this printer**, then type the name in the Share name box.


General
Sharing
Ports
Advanced
Security
Optional Settings
Font Substitution
You can share this printer with other users on your network. To enable sharing for this printer, click Share this printer. If you share this printer, Windows Firewall will be configured to allow this printer to be shared with other computers on the network.
Do not share this printer
Share this printer
Share name:
EPSONAL
1
2

Note:
Do not use spaces or hyphens for the Share name, or an error may occur.

For a Windows 2000 print server, select **Shared as**, then type the name in the Share Name box.



4. Select the additional drivers.

Note:
If the computers of the server and clients use the same OS, you do not have to install the additional drivers. Just click ***OK*** *after step3.*

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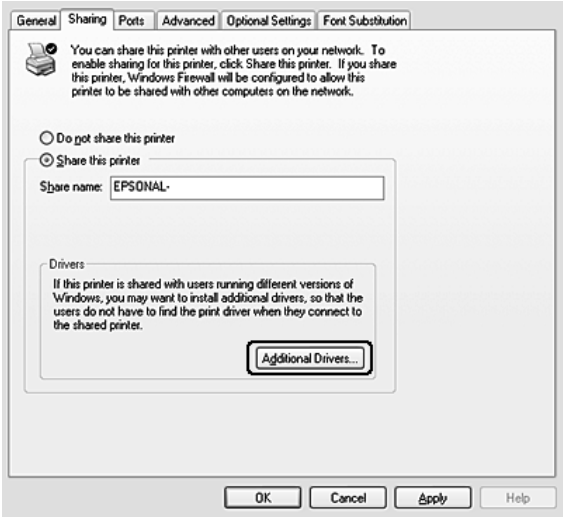
On the Windows XP, XP x64, 2000, Server 2003, or Server 2003 x64 print server

Click **Additional Drivers**.


General
Sharing
Ports
Advanced
Optional Settings
Font Substitution
You can share this printer with other users on your network. To enable sharing for this printer, click Share this printer. If you share this printer, Windows Firewall will be configured to allow this printer to be shared with other computers on the network.
Do not share this printer
Share this printer
Share name:
EPSONAL-
Drivers
If this printer is shared with users running different versions of Windows, you may want to install additional drivers, so that the users do not have to find the print driver when they connect to the shared printer.
Additional Drivers...
OK
Cancel
Apply
Help

Select Windows being used for clients, then click **OK**.

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Server Name	Client OS	Driver
Windows 2000	Windows XP or 2000 clients	Intel Windows 2000
Windows XP*	Windows XP or 2000 clients	Intel Windows 2000 or XP
	Windows XP x64 clients	x64 Windows XP
Windows XP x64, Server 2003, or Server 2003 x64*	Windows XP or 2000 clients	x86 Windows 2000, Windows XP and Windows Server 2003
	Windows XP x64 clients	x64 Windows XP and Windows Server 2003
Windows Vista, Vista x64	Windows Vista, XP, 2000, Server 2003 clients	x86 Type 3 - User Mode
	Windows Vista x64, XP x64 or Server 2003 x64 clients	x64 Type 3 - User Mode

* The additional driver for Windows XP x64 and Server 2003 x64 can be used on Windows XP Service Pack 2, Windows 2003 Service Pack 1, or later.

Note:

- ❏ *You do not have to install the additional drivers noted below, because these drivers are preinstalled.*
  Intel Windows 2000 (for Windows 2000)
  Intel Windows 2000 or XP (for Windows XP)
  x86 Windows 2000, Windows XP and Windows Server 2003 (for Windows Server 2003)
  x64 Windows XP and Windows Server 2003 (for Windows XP x64 or Windows Sever 2003 x64 edition)
  x86 Type 3 - User Mode (for Windows Vista, XP, 2000, Server 2003 clients)
  x64 Type 3 - User Mode (for Windows Vista x64, XP x64 or Server 2003 x64 clients)

- ❏ *Do not select additional drivers other than the drivers listed in the above table. The other additional drivers are not available.*

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Setting up clients

This section describes how to install the printer driver by accessing the shared printer on a network.

Note:

- ❏ *To share the printer on a Windows network, you need to set the print server. For details, see "Using an additional driver" on page 125.*
- ❏ *This section describes how to access the shared printer on a standard network system using the server (Microsoft workgroup). If you cannot access the shared printer due to the network system, ask the administrator of the network for assistance.*
- ❏ *This section describes how to install the printer driver by accessing the shared printer from the **Printers** folder. You can also access the shared printer from Network, Network Neighborhood, or My Network on the Windows desktop.*
- ❏ *You cannot use the additional driver on the server system OS.*
- ❏ *When you want to use EPSON Status Monitor at a client, you have to install EPSON Status Monitor from the CD-ROM with administrator privileges in each client.*
- ❏ *For Windows Vista, if you want to monitor a shared printer with several users on a client computer, select the **Allow monitoring of the shared printers** check box in **EPSON Status Monitor**.*

With Windows Vista, Vista x64, XP, XP x64, or 2000

Follow the steps below to set Windows Vista, Vista x64, XP, XP x64, or 2000 clients.

You can install the printer driver for the shared printer, if you have Power Users or more powerful access rights even if you are not the Administrator.

For Windows Vista or Vista x64, even if you are not an administrator or power user, you can install the printer driver by clicking **Continue** when the prompt to continue the installation appears.

Note:
The illustrations in this section show Windows XP screens. They may be different from the screens for your operating system.

1. For Windows 2000 clients, click **Start**, point to **Settings**, and click **Printers**.
   For Windows XP or XP x64 clients, click **Start**, point to **Printers and Faxes**.
   For Windows Vista or Vista x64 clients, click **Start**, click **Control Panel**, then double-click **Printers**.

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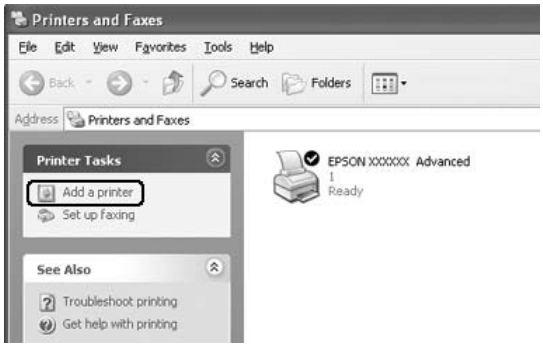
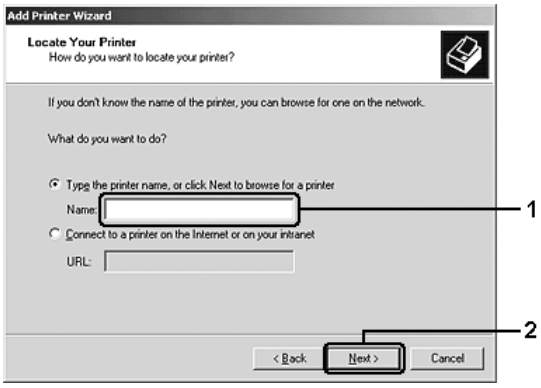
2. For Windows 2000, double-click the **Add Printer** icon, then click **Next**.
   For Windows XP or XP x64 click **Add a printer** in the Printer Tasks menu.



   For Windows Vista or Vista x64, click **Add a printer** in the menu bar.

3. For Windows 2000, select **Network printer**, then click **Next**.
   For Windows XP or XP x64, select **A network printer, or a printer attached to another computer**, then click **Next**.
   For Windows Vista or Vista x64, click **Add a network, wireless or Bluetooth printer**. If the shared printer is found automatically, proceed to step 5. If not, click **stop** and click **The printer that I want isn't listed**, then go to step 4.

4. For Windows 2000, type the name of the shared printer, then click **Next**.


Add Printer Wizard
Locate Your Printer
How do you want to locate your printer?
If you don't know the name of the printer, you can browse for one on the network.
What do you want to do?
Type the printer name, or click Next to browse for a printer
Name:
Connect to a printer on the Internet or on your intranet
URL:
1
2
< Back
Next >
Cancel

   Note:
   - ❏ *You can also type "**\\(the name of the computer that is locally connected to the shared printer)\(the shared printer's name)**" in network path or queue name.*
   - ❏ *You do not necessarily need to type the name of the shared printer.*

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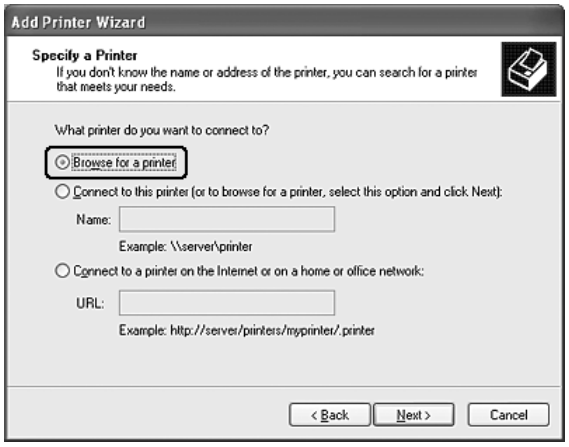
For Windows XP or XP x64, select **Browse for a printer**.


Add Printer Wizard
Specify a Printer
If you don't know the name or address of the printer, you can search for a printer that meets your needs.
What printer do you want to connect to?
Browse for a printer
Connect to this printer (or to browse for a printer, select this option and click Next):
Name:
Example: \\server\printer
Connect to a printer on the Internet or on a home or office network:
URL:
Example: http://server/printers/myprinter/.printer
< Back
Next >
Cancel

For Windows Vista or Vista x64, click **Select a shared printer by name** in the dialog box that appears, then click **Next**.

5. For Windows XP, XP x64, 2000, Server 2003, Server 2003 x64, click the icon of the computer or server that is connected to the shared printer, and the name of the shared printer, then click **Next**.

Note for Windows Vista users:
When the dialog box to enter user name and password appears, enter the information about the print server, then click the name of the shared printer. When the Add Printer dialog box appears, click ***Next****.*

Note:
- ❏ *The name of the shared printer may be changed by the computer or server that is connected to the shared printer. To make sure of the name of the shared printer, ask the administrator of the network.*

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❏ *If the printer driver is installed in the client beforehand, you need to select either the new printer driver or the current printer driver. When the prompt to select the printer driver appears, select the printer driver according to the message.*

❏ *If the additional driver for the corresponding Windows is installed in the print server, go to the next step.*

6. Select whether to use the printer as the default printer or not, then click **Next**.

7. Make sure of the settings, then click **Finish**.

Installing the printer driver from the CD-ROM

This section describes how to install the printer driver in the clients when setting the network system without installing the additional drivers in the print server.

The on-screen displays on the following pages may differ depending on the version of Windows OS.

Note:

❏ *When installing in Windows XP, XP x64, or 2000 clients, you must access Windows XP, XP x64, or 2000 as the Administrator.*

❏ *For Windows Vista or Vista x64, even if you are not an administrator or power user, you can install the printer driver by clicking* ***Continue*** *when the prompt to continue the installation appears.*

❏ *If the additional drivers are installed or the computers of the server and clients use the same OS, you do not have to install the printer drivers from the CD-ROM.*

1. Access the shared printer and a prompt may appear. Click **OK**, then follow the on-screen instructions to install the printer driver from the CD-ROM.

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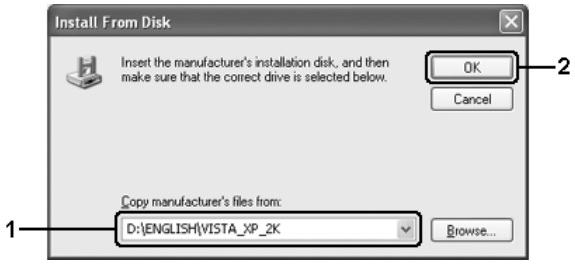
2. Insert the CD-ROM, type the appropriate drive and folder names in which the printer driver for clients is located, then click **OK**.



When installing drivers, "Digital Signature is not found." may appear. Click **Yes** (for Windows 2000) or **Continue Anyway** (for Windows Vista, Vista x64, XP, XP x64, Server 2003, or Server 2003 x64) and continue installing.

The folder name differs depending on the OS being used.

Client's OS	Folder Name
Windows Vista, XP, or 2000	\<Language>\WINVISTA_XP_2K
Windows Vista x64 or XP x64	\<Language>\VISTA_XP64

3. Select the name of the printer, click **OK**, then follow the on-screen instructions.

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Chapter 8

About the Printer Software for Macintosh

Using the Printer Driver

The printer driver is the software that allows you to adjust printer settings to get the best results.

Note:

- ❏ *The printer driver's online help provides details on printer driver settings.*
- ❏ *You have to re-install the printer driver after major operating system updates such as OSX 10.3 to 10.4, but you do not have to re-install it for minor updates such as 10.3.1 to 10.3.2.*

Accessing the printer driver

You can access the printer driver directly from any application programs, and from your Windows operating system.

Mac OS X

Register your printer in **Printer Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2), click **Print** on the File menu of any application, then select your printer.

From an application

- ❏ To open the Paper Setting dialog box, select **Page Setup** from the File menu on any application.
- ❏ To open the Basic Settings tab, select **Print** from the File menu on any application.

Changing the Printer Settings

You can change the printer settings, such as paper source, paper type, and print quality.

Open the Print dialog box and select **Printer Settings** from the drop-down list, then select the **Basic Settings** tab.

Making Extended Settings

You can make various settings in the Extended Settings dialog box, for example Page Protect.

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Open the Print dialog box and select **Printer Settings** from the drop-down list, then select the **Extended Settings** tab.

Using EPSON Status Monitor

EPSON Status Monitor is a utility program that monitors your printer and gives you information about its current status.

Accessing EPSON Status Monitor

For Mac OS X users

Note:
After installing the EPSON Status Monitor and before doing the procedure below, you need to open the Print dialog box so the EPSON Status Monitor can display the current status of the printer.

1. Open the Applications folder on your hard disk drive, then open the Utilities folder.

2. Double-click the **Printer Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2) icon.

3. Select your printer from the Name list and click the **Utility** (for Mac OS X 10.3 and 10.4) or **Configure** (for Mac OS X 10.2) icon in the Printer List dialog box.

Note:
You can also access EPSON Status Monitor by clicking the ***EPSON Status Monitor*** *icon in the Dock.*

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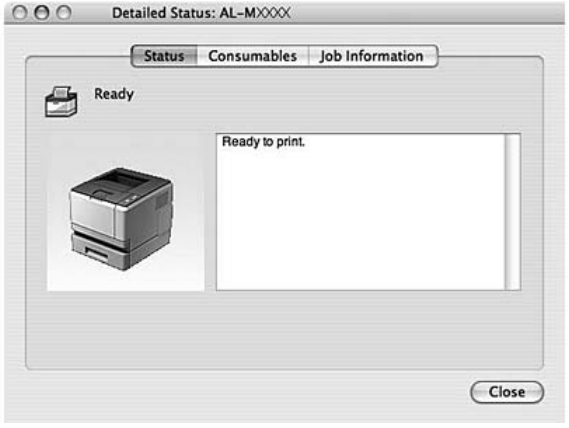
Simple Status	You can check the type of errors and a possible solution. This window appears when an error or warning occurs, and closes automatically once the problem is cleared.
Detailed Status*	You can monitor detailed printer status. When a problem occurs, the most probable solution is displayed. See "Detailed Status" on page 136.
Consumables Information*	You can obtain information on paper sources and consumable products. See "Consumables Information" on page 137.
Job Information*	You can check print job information. See "Job Information" on page 137.
Notice Settings	You can make specific monitoring settings. Access EPSON Status Monitor and select Notice Settings from the file menu. See "Notice Settings" on page 138.

* You can also access any of the menus by clicking the appropriate tab on each information window.

Detailed Status



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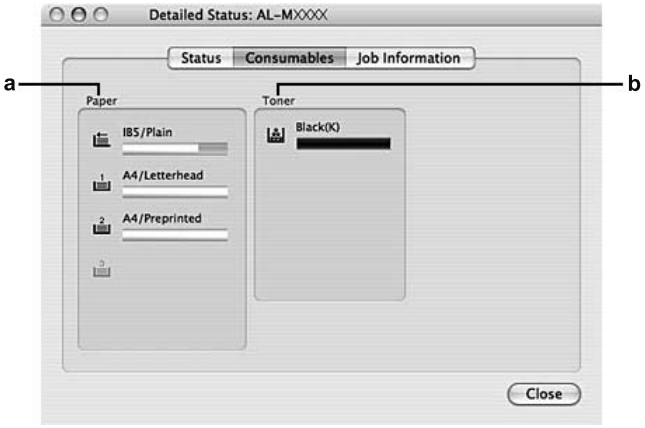
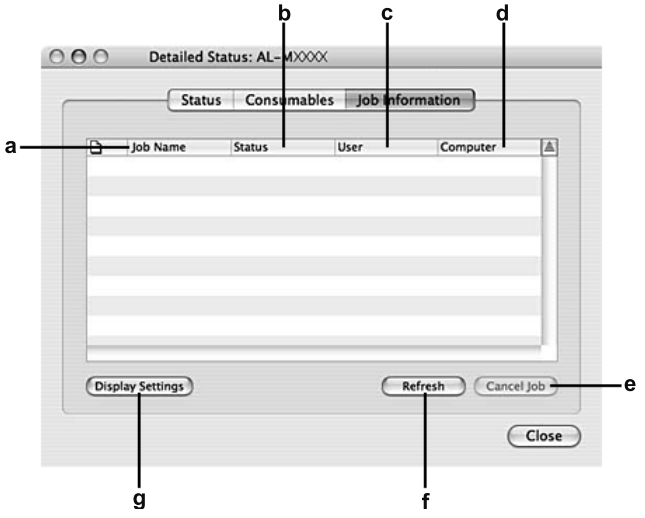
Consumables Information



a.	Paper:	Displays the paper size, the paper type and the approximate amount of paper remaining in the paper source.
b.	Toner:	Indicates the remaining service life of the toner cartridge. The toner icon flashes when the toner cartridge has some error or has neared the end of its service life.

Note:
The remaining service life of the toner cartridge is displayed only if the genuine EPSON toner cartridge is used.

Job Information



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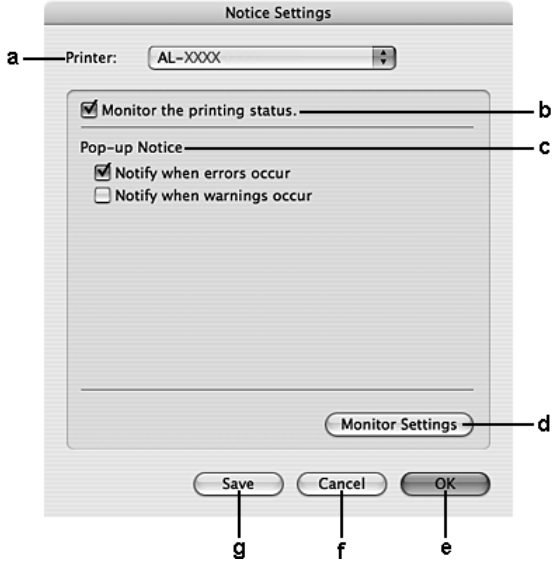
a.	Job Name:	Displays the user's print job names. Other user's print jobs are displayed as --------.	
b.	Status:	Waiting:	Indicates the print job is waiting to be printed.
		Spooling:	Indicates the print job is being spooled on your computer.
		Deleting:	Indicates the print job is being deleted.
		Printing:	Indicates the print job is printed currently.
		Completed:	Indicates the print job has been finished.
		Canceled:	Indicates the print job has been cancelled.
c.	User:	Displays the user name.	
d.	Computer:	Displays the name of the computer that sent the print job.	
e.	Cancel Job button:	Cancels the selected print job. You can only cancel the jobs you send.	
f.	Refresh button:	Refreshes the information on this menu.	
g.	Display Settings button:	Displays the Display Settings dialog box to select items to be displayed.	

Notice Settings



a.	Printer drop-down list:	Select your printer from the drop-down list.

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b.	Monitor the printing status check box:	When this check box is selected, EPSON Status Monitor monitors the printer status during a print job is processed.
c	Pop-up Notice:	Sets the notification to be displayed.
d.	Monitor Settings button:	Opens the Monitor Settings dialog box to set the monitoring interval.
e.	OK button:	Saves the settings and exit the dialog box.
f.	Cancel button:	Exits the dialog box without saving the settings.
g.	Save button:	Saves new changes and closes the dialog box.

Uninstalling the Printer Software

For Mac OS X users

1. Quit all applications on the computer.
2. Insert the EPSON printer software CD-ROM in your Macintosh.
3. Double-click the **Mac OS X** folder.
4. Double-click the **Printer Driver** folder.
5. Double-click your printer's icon.

   Note:
   *If the Authorization dialog box appears, enter the Password or phrase, then click **OK**.*

6. When the software license agreement screen appears, read the statement, click **Continue**, then click **Agree**.
7. Select **Uninstall** from the menu at the upper left, then click **Uninstall**.
8. Follow the on-screen instructions.

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Sharing the Printer on a Network

Sharing the Printer

This section describes how to share the printer on an AppleTalk network.

The computers on the network can share the printer that is directly connected to one of them. The computer that is directly connected to the printer is the print server, and the other computers are the clients which need permission to share the printer with the print server. The clients share the printer via the print server.

For Mac OS X users

Use the Printer Sharing setting, which is a standard feature of Mac OS X 10.2 or later.

See your operating system's documentation for details.

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Chapter 9

About the PostScript Printer Driver

System Requirements

Printer hardware requirements

	Recommended
Memory	Standard + 64 MB (for duplex printing of image data at Maximum)

Note:
Add more memory modules into your printer if the amount of memory currently installed does not meet your printing needs.

Computer system requirements

OS	Microsoft Windows Vista, Vista x64, XP, XP x64, or 2000 Mac OS X ver. 10.2.8 or later

Note:
To use the PostScript 3 printer driver with a USB interface, your computer must be Macintosh OS X 10.3.9 or later.

Windows XP, XP x64, or 2000

There are no restrictions for these systems.

Mac OS X

	Minimum	Recommended
Computer	Power Mac G3, G4, G5, iMac, eMac, PowerBook G3, G4, or iBook	
Hard Disk	—	
Memory	128 MB	

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Note:
To use binary data, Epson recommends that you use AppleTalk for the printer's network connection. If you use a protocol other than AppleTalk for the network connection, you need to set `Binary` *to* `On` *in the* `PS3 Menu` *on the control panel. For details about setting, see the Network Guide. If you use the printer with a local connection, you cannot use binary data.*

Using the PostScript Printer Driver with Windows

To print in the PostScript mode, you will have to install the printer driver. See the appropriate sections below for installation instructions according to the interface that you are using to print.

Installing the PostScript printer driver for the parallel interface (only for the D model)

Caution:
Never use EPSON Status Monitor and PostScript 3 driver at the same time when the printer is connected via a parallel port. It may damage the system.

Note:
- ❏ *Installing the printer software for Windows Vista, Vista x64, XP, XP x64, or 2000 may require administrator privileges. If you have problems, ask your administrator for more information.*
- ❏ *Turn off all virus protection programs before installing the printer software.*

1. Make sure that the printer is turned off. Insert the printer software CD-ROM into your CD-ROM drive.
2. For Windows 2000, click **Start**, point to **Settings**, and click **Printers**. Then double-click the **Add Printer** icon.
   For Windows Vista, Vista x64, XP, click **Start**, point to **Printer and Faxes**, and click **Add a printer** in the Printer Tasks menu.
3. The Add Printer Wizard appears. Then click **Next**.
4. Select **Local printer**, then click **Next**.

   Note:
   Do not select the ***Automatically detect and install my Plug and Play printer*** *check box.*
5. Select **LPT1** as the port the printer is connected to, then click **Next**.

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6. Click **Have Disk** and specify the following path for the CD-ROM. If your CD-ROM drive is D:, the path will be D:\ADOBEPS\ENGLISH\PS_SETUP
Then click **OK**.

   Note:
   Change the drive letter as needed for your system.

7. Select the printer, then click **Next**.

8. Follow the on-screen instructions for the rest of the installation.

9. When installation is done, click **Finish**.

Installing the PostScript printer driver for the USB interface

Caution:
Never use EPSON Status Monitor and PostScript 3 driver at the same time when the printer is connected via a USB port. It may damage the system.

Note:

- ❏ *Installing the printer software for Windows Vista, Vista x64, XP, XP x64, or 2000 may require administrator privileges. If you have problems, ask your administrator for more information.*
- ❏ *Turn off all virus protection programs before installing the printer software.*

1. Make sure that the printer is turned off. Insert the printer software CD-ROM into your CD-ROM drive.

2. Connect your computer to the printer with a USB cable, then turn on the printer.

   Note for Windows Vista:
   Without the Windows driver or the Adobe PS driver, the display shows "Found New Hardware". In this case, click ***Ask me again later.***

3. For Windows Vista, Vista x64, XP or XP x64, click **Start**, point to **Printer and Faxes**, and click **Add a printer** in the Printer Tasks menu.
   For Windows 2000, click **Start**, point to **Settings**, and click **Printers**. Then double-click the **Add Printer** icon.

4. The Add Printer Wizard appears. Then click **Next**.

5. Select **Local printer**, then click **Next**.

   Note:
   Do not select the ***Automatically detect and install my Plug and Play printer*** *check box.*

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6. Select **USB** as the port the printer is connected to, then click **Next**.

7. Click **Have Disk** and specify the following path for the CD-ROM. If your CD-ROM drive is D:, the path will be D:\ADOBEPS\ENGLISH\PS_SETUP. Then click **OK**.

   Note:
   Change the drive letter as needed for your system.

8. Select the printer, then click **Next**.

9. Follow the on-screen instructions for the rest of the installation.

10. When installation is done, click **Finish**.

Installing the PostScript printer driver for the network interface

Note:

- ❏ *Set the network settings before installing the printer driver. Refer to the Network Guide that comes with your printer for details.*
- ❏ *Turn off all virus protection programs before installing the printer software.*

1. Make sure that the printer is turned on. Insert the printer software CD-ROM into your CD-ROM drive.

2. For Windows Vista, Vista x64, XP, or XP x64, click **Start**, point to **Printer and Faxes**, and click **Add a printer** in the Printer Tasks menu.
   For Windows 2000, click **Start**, point to **Settings**, and click **Printers**. Then double-click the **Add Printer** icon.

3. The Add Printer Wizard appears. Then click **Next**.

4. Select **Local printer**, then click **Next**.

   Note:
   Do not select the ***Automatically detect and install my Plug and Play printer*** *check box.*

5. Select the **Create a new port check box and select Standard TCP/IP Port** from the drop-down list. Click **Next**.

6. Click **Next**.

7. Specify the IP address and port name, then click **Next**.

8. Click **Finish**.

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9. Click **Have Disk** in the Add Printer Wizard and specify the following path for the CD-ROM. If your CD-ROM drive is D:, the path will be D:\ADOBEPS\ENGLISH\PS_SETUP.
Then click **OK**.

   Note:
   Change the drive letter as needed for your system.

10. Select the printer and click **Next**.

11. Follow the on-screen instructions for the rest of the installation.

12. When installation is done, click **Finish**.

Accessing the PostScript printer driver

You can change the PostScript printer driver settings in the PostScript printer driver. To access the printer driver, see "Accessing the printer driver" on page 112.

Using AppleTalk under Windows 2000

Use the following settings if your machine is running Windows 2000, and the printer is connected through an network interface using the AppleTalk protocol:

- ❏ Select **PS3** as the Network setting in the control panel's **Emulation Menu**. For details about setting, see the Network Guide.
- ❏ On the Device Settings sheet of the printer's Properties dialog box, make sure that **SEND CTRL-D Before Each Job** and **SEND CTRL-D After Each Job** are set to **No**.
- ❏ TBCP (Tagged binary communications protocol) cannot be used as the Output Protocol setting.
- ❏ On the Job Settings sheet of the printer's Properties dialog box, make sure to clear the **Job Management On** check box.

Using the PostScript Printer Driver with Macintosh

Installing the PostScript printer driver

Note:
Make sure that no applications are running on your Macintosh before installing the printer driver.

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For Mac OS X users

Note:
*Make sure that **Printer Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2) is not open.*

1. Insert the printer software CD-ROM into your CD-ROM drive.
2. Double-click the CD-ROM icon.
3. Double-click **Mac OS X**, then double-click **PS Installer**.

   Note:
   For Mac OS X 10.2, if the Authenticate window appears, enter the user name and password for an administrator.

4. The Install EPSON PostScript Software screen appears, click **Continue**, then follow the on-screen instructions.
5. Easy Install is displayed on the screen. Click **Install**.

   Note:
   For Mac OS X 10.3 and 10.4, if the Authenticate window appears, enter the user name and password for an administrator.

6. When installation is done, click **Close**.

Selecting the printer

After installing the PostScript 3 printer driver, you need to select the printer.

In a network environment

For Mac OS X users

Note:
- ❏ *Although **EPSON FireWire** appears in the interface pop-up list, you cannot use FireWire for printer connection in the PostScript 3 mode.*
- ❏ *You need to make the settings for your installed options manually when the printer is connected using USB, IP printing, or Bonjour (Rendezvous). When the printer is connected using AppleTalk, the printer software automatically makes the settings.*
- ❏ *Make sure to specify ASCII as the data format in the application.*

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1. Open the **Applications** folder, open the **Utilities** folder, then double-click **Printer Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2).
   The Printer List window appears.

2. Click **Add** in the Printer List window.

3. Select the protocol or the interface that you are using from the pop-up list.

   Note for AppleTalk users:
   *Make sure to select **AppleTalk**. Do not select **EPSON AppleTalk**, because it cannot be used with the PostScript 3 printer driver.*

   Note for IP Printing users:
   - ❏ *Make sure to select **IP Printing**. Do not select **EPSON TCP/IP**, because it cannot be used with the PostScript 3 printer driver.*
   - ❏ *After selecting **IP Printing**, enter the IP address for the printer, then make sure to select the **Use default queue on server** check box.*

   Note for USB users:
   *Make sure to select **USB**. Do not select **EPSON USB**, because it cannot be used with the PostScript 3 printer driver.*

4. Follow the instructions as appropriate below to select your printer.

   AppleTalk
   Select your printer from the Name List, then select **Auto Select** from the Printer Model List.

   IP Printing
   Select **Epson** from the Name List, then select your printer from the Printer Model List.

   USB
   Select your printer from the Name List, then select your printer from the Printer Model List.

   Note for Mac OS X 10.3 and 10.4 users:
   If ESC/Page driver is not installed, your printer model is automatically selected in the Printer Model List when you select your printer from the Name List while the printer is on.

   Bonjour (Rendezvous)
   Select your printer, the printer name is followed by **(PostScript)**, from the Name List. Your printer model is automatically selected in the Printer Model List.

   Note for USB (for Mac OS X 10.2) or Bonjour (Rendezvous) users:
   If your printer model is not automatically selected in the Printer Model list, you need to reinstall the PostScript printer driver. See "Installing the PostScript printer driver" on page 145.

5. Click **Add**.

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Note for IP Printing users, USB or Bonjour (Rendezvous) users:
Select your printer from the Printer list, then select ***Show Info*** *from the Printers menu. The Printer Info dialog box appears. Select* ***Installable Options*** *from the pop-up list, then make the necessary settings.*

6. Confirm that your printer's name is added to the Printer List. Then quit **Printer Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2).

Accessing the PostScript printer driver

You can change the PostScript printer driver settings in the PostScript printer driver. To access the printer driver, see "Accessing the printer driver" on page 134.

Changing the printer setup settings

You can change or update the printer setup settings according to the options installed in your printer.

Note for Mac OS X users:
When ***Super*** *is selected as the resolution, the following functions in the printer driver cannot be used.*

RITech: On

For Mac OS X users

1. Access the printer driver. The Printer List window appears.
2. Select the printer from the list.
3. Select **Show Info** from the Printers menu. The Printer Info dialog box appears.
4. Make necessary changes to the settings, then close the dialog box.
5. Quit **Printer Setup Utility** (for Mac OS X 10.3 and 10.4) or **Print Center** (for Mac OS X 10.2).

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Chapter 10

About the PCL6/PCL5 Printer Driver

About the PCL Mode

Hardware requirements

Your printer must meet the following hardware requirements to be able to use the PCL6/PCL5 printer driver.

Memory requirements for using the PCL6/PCL5 printer driver are shown below. Install optional memory modules into your printer if the amount of memory currently installed does not meet your printing needs.

Minimum memory	Recommended memory
128 MB* (for a simple print job at 600 dpi)	256 MB* or more

* Printing may not be possible with this amount of memory, depending on the specifics of the job being printed.

System requirements

Your computer must meet the following system requirements to be able to use the PCL6/PCL5 printer driver.

To use the PCL6/PCL5 printer driver, your computer must be running Microsoft Windows Vista, Vista x64, XP, XP x64, Server 2003, Server 2003 x64, or have installed the 2000 Service Pack 3 or later.

For Windows Vista

	Minimum	Recommended
Computer	IBM PC series or IBM compatible with PentiumIII 800MHz or higher CPU	IBM PC series or IBM compatible with PentiumIII 1GHz or higher CPU
Hard Disk	10-25 MB free (for driver installation)	
Memory	512MB	512 MB
Display	Super VGA supporting	DirectX 9 with 32MB graphics memory or more

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For Windows Vista x64

	Minimum	Recommended
Computer	IBM PC series or IBM compatible with Intel EM64T or AMD/64 CPU	IBM PC series or IBM compatible with Intel EM64T or AMD/64 CPU
Hard Disk	10-25 MB free (for driver installation)	
Memory	512MB	512 MB
Display	Super VGA supporting	DirectX 9 with 32MB graphics memory or more

For Windows XP or 2000

	Minimum	Recommended
Computer	IBM PC series or IBM compatible with Pentium or higher CPU	IBM PC series or IBM compatible with Pentium II or higher CPU
Hard Disk	10-25 MB free (for driver installation)	
Memory	128 MB (256 MB for Server 2003)	256 MB
Display	Super VGA supporting 640 × 480	Super VGA supporting 800 × 600 or more

For Windows XP x64 or 2003 Server x64

	Minimum	Recommended
Computer	IBM PC series or IBM compatible with Intel EM64T or AMD/64 CPU	
Hard Disk	10-25 MB free (for driver installation)	
Memory	256 MB	512 MB
Display	Super VGA supporting 640 × 480	Super VGA supporting 800 × 600 or more

Using the PCL6/PCL5 Printer Driver

To print in the PCL mode, you will have to install the printer driver. Consult the customer support in your region regarding how to get the printer driver.

Note:
The PCL6/PCL5 printer driver and EPSON Status Monitor cannot be used at the same time.

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Installing the PCL6 printer driver

Note:

- ❏ *Installing the printer software for Windows XP or 2000 may require administrator privileges. If you have problems, ask your administrator for more information.*
- ❏ *Turn off all virus protection programs before installing the printer software.*
- ❏ *The examples in this section are from the Windows XP operating system. They may vary in appearance from what actually appears on your screen; however, the instructions are the same.*
- ❏ *When uninstalling the printer driver, select **EPSON Monochrome Laser P6** in the uninstallation program. If you select **EPSON Printer Software**, the uninstallation may not be completed successfully.*

1. Make sure that the printer is turned off.
2. Double-click **SETUP.EXE**. The End User License Agreement dialog box appears.
3. Read the license agreement. If you agree with the terms, select the **I accept the terms of the above License Agreement** check box. Then click **Next**.
4. Select the name of your printer, then click **Next**.
5. Select the OS that you are using and the Yes or No check box depending on whether you want to share your printer on the network or not. Then click **Next**.

   Note:

   - ❏ *When using setup.exe to do the installation, you can select a platform, different from the current Windows OS, in .Available Platforms.. This is so that when you perform an installation using Point & Print, you can upload printer drivers for other platforms.*
   - ❏ *If you are installing a printer driver for the PC that you are currently using, select the Windows OS that is the platform of your PC. If you select a different Windows OS, the printer driver will not be installed correctly.*
6. Confirm the printer port you want to use is selected and your printer name is shown. If not, select the port you want to use from the drop-down list and type your printer.s name in the Printer Name box. Select the Yes or No check box depending on whether you want to set this printer as the default printer. Then click **Next**.
7. You can start the installation now. Click **Finish** to continue.
8. Installation is complete. Click **Exit to Windows**.

After the installation is done, click **Printer Properties** to make the appropriate settings.

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Note:
If you want to change the settings, you can access the PCL6 printer driver by clicking ***Document Default****.*

Accessing the PCL6 printer driver

You can change the PCL6 printer settings in the PCL6 printer driver. To access the printer driver, see "Accessing the printer driver" on page 112.

Updating the printer driver

When you install optional products, you have to update the printer driver manually.

1. Click the **Printer** tab of the Properties dialog box.
2. Select the option that you installed.

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Appendix A

Technical Specifications

Paper

Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, Epson cannot guarantee the quality of any type of paper. Always test samples of paper stock before purchasing large quantities or printing large jobs.

Available paper types

Paper type	Description
Plain paper	Weight: 60 to 90 g/m² (Recycled paper is acceptable.*)
Semi-thick Paper	Weight: 91 to 120 g/m² (Recycled paper is acceptable.*)
Transparency	Transparencies for black-and-white laser printers or copiers.
Envelopes	No paste and no tape. No plastic window. (unless specifically designed for laser printers.)
Labels	The backing sheet should be covered completely, with no gaps between labels.
Thick paper	Weight: 121 to 220 g/m²

* Use recycled paper only under normal temperature and humidity conditions. Poor quality paper may reduce print quality, or cause paper jams and other problems.

Paper that should not be used

You cannot use the following paper in this printer. It may cause printer damage, paper jams, and poor print quality:

- ❏ Media meant for color laser printers, other black-and-white laser printers, color copiers, black-and-white copiers, or ink jet printers
- ❏ Previously printed paper by any color laser printers, other black-and-white laser printers, color copiers, black-and-white copiers, ink jet printers, or thermal transfer printers
- ❏ Carbon paper, carbonless paper, thermal-sensitive paper, pressure-sensitive paper, acid paper, or paper that uses high-temperature-sensitive ink (around 225 °C)

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- ❏ Labels that peel easily or labels that do not cover the backing sheet completely
- ❏ Coated paper or special surface-colored paper
- ❏ Paper that has binder holes or is perforated
- ❏ Paper that has glue, staples, paper clips, or tape on it
- ❏ Paper that attracts static electricity
- ❏ Moist or damp paper
- ❏ Paper of uneven thickness
- ❏ Overly thick or thin paper
- ❏ Paper that is too smooth or too rough
- ❏ Paper that is different on the front and back
- ❏ Paper that is folded, curled, wavy, or torn
- ❏ Paper of irregular shape, or paper that does not have right angle corners

Printable area

4-mm minimum margin on all sides. (The printable width should be 202 mm or less.)

Note:

- ❏ *The printable area varies, depending on the emulation mode in use.*
- ❏ *When using ESC/Page language, there is 5-mm minimum margin on all sides.*
- ❏ *The print quality may be irregular depending on the paper you use. Print on one or two sheets of paper to check the print quality.*

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Printer

General

Printing method:	Laser beam scanning and dry electrophotographic process	
Resolution:	600 × 600 dpi, 1200 × 1200 dpi	
Continuous printing speed*1:	Up to 28 pages per minute at 600 dpi on A4 size paper Up to 14 pages per minute at 1200 dpi on A4 size paper	
Paper feed:	Automatic or manual feed	
Paper feed alignment:	Center alignment for all sizes	
Input paper supply:		
MP tray:	Up to 50 sheets of plain paper (60~90 g/m²) Up to 5 sheets of semi-thick/thick paper (91~220 g/m²) Up to 5 sheets of envelopes/transparencies/labels	
Standard lower paper cassette:	Up to 28 mm of plain paper (60~120 g/m²) (Up to 250 sheets of plain paper (80 g/m²))	
Paper output:	For all paper types and size	
Paper output capacity:	Up to 250 sheets of plain paper (80 g/m²)/200 sheets of plain paper for duplex printing (80 g/m²)	
Duplex:	Paper Type:	Paper Size:
	Plain paper, Semi-thick paper	A4, Letter (LT)
Printer language:	ECP/Page printer language	
	ESC/P 2 24-pin printer emulation (ESC/P 2 mode)	
	ESC/P 9-pin printer emulation (FX mode)	
	IBM Proprinter emulation (I239X mode)	
	Adobe PostScript3 (PS3 mode) PCL6/PCL5 emulation (PCL mode) Adobe PDF 1.3 (PDF 1.3 mode)	
Resident fonts:	84 scalable fonts, and 7 bitmap fonts for ESC/Page 93 scalable fonts, and 7 bitmap PCL5c 17 scalable fonts for PostScript3	
RAM:	32 MB, expandable up to 288 MB (64MB, expandable up to 320 MB for the DN model)	

*1 Printing speed varies by paper source or other conditions.

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Environmental

Temperature:	In use:*	10 to 32.5 °C (50 to 90.5 °F)
	Not in use:	0 to 35 °C (32 to 95 °F)
Humidity:	In use:*	15 to 80 % RH
	Not in use:	5 to 85 % RH
Altitude:	2500 meters (8200 feet) maximum	

* The recommended environment is 15 to 28 °C (59 to 82 °F) and 20 to 70 % RH.

Mechanical

Dimensions	Height:	255 mm (10.0 in.)
	Width:	378 mm (14.9 in.)
	Depth:	390 mm (15.4 in.)
Weight	Approx. 11.5 kg (about 25.4 lb) (Excluding consumables and options)	

Electrical

Rated voltage			110 V - 120 V	220 V - 240 V
Rated frequency			50 Hz / 60 Hz	50 Hz / 60 Hz
Rated current			8.9 A	3.9 A
Power consumption	During printing	Average	449 W	465 W
		MAX	780 W	840 W
	During ready mode		7 W	7 W
	During sleep mode*		3 W	3 W

* Values represent power consumption while all operations are completely suspended. Power consumption varies depending on errors and operating conditions.

Standard and approvals

European model:

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Low Voltage Directive 2006/95/EC	EN 60950-1
EMC Directive 2004/108/EC	EN 55022 Class B
	EN 55024
	EN 61000-3-2
	EN 61000-3-3

Australian model:

EMC	AS/NZS CISPR22 Class B

Interfaces

USB interface

USB 2.0 High Speed mode

Note:

- ❏ *Only computers equipped with a USB connector and running Mac OS X and Windows Vista, Vista x64, XP, XP x64, 2000, Server 2003, or Server 2003 x64, support the USB interface.*
- ❏ *Your computer must support USB 2.0 in order to use USB 2.0 as the interface to connect your computer to the printer.*

Ethernet interface

You can use an IEEE 802.3 100BASE-TX/10 BASE-T straight-through shielded, twisted-pair interface cable with an RJ45 connector.

Note:
Ethernet Interface may not be available depending on the printer model.

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Options and Consumable Products

Optional paper cassette unit

Product code:	C12C802461
Paper size:	A4, A5, B5, Letter (LT), Legal (LGL), Executive (EXE), Government Legal (GLG), F4
Paper weight:	60 to 120 g/m² (16 to 32 lb)
Paper feed:	One paper cassette mounted Automatic feed delivery system Cassette capacity up 250 sheets each
Paper types:	Plain paper, Semi-thick paper
Power supply:	DC 24 V/0.7 A and DC 3.3 V/0.34 A supplied by the printer
Dimensions and weight:	
Height:	100 mm (3.9 in.)
Width:	375 mm (14.8 in.)
Depth:	390 to 447 mm (15.4 to 17.6 in.)
Weight:	3.0 kg (6.6 lb) including cassette

* This product conforms to CE marking requirements in accordance with EC Directive 2004/108/EC.

Memory modules

Make sure that DIMM you purchase is compatible with EPSON products. For details, contact the store where you purchased this printer or the EPSON sales company.

Memory size:	64 MB, 128 MB, or 256 MB

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Toner cartridge

Product code/model[*1]:	High Capacity Toner Cartridge	0435/0439
	Standard Capacity Toner Cartridge	0436/0440
	Return High Capacity Toner Cartridge[*2]	0437/0441
	Return Standard Capacity Toner Cartridge[*2]	0438/0442
Storage temperature:	0 to 35 °C (32 to 95 °F)	
Storage humidity:	15 to 80 % RH	

[*1] This product conforms to CE marking requirements in accordance with EC Directive 2004/108/EC.

[*2] Return toner cartridges are not sold in some areas.

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Appendix B

Customer Support

Contacting Customer Support

Before Contacting Epson

If your Epson product is not operating properly and you cannot solve the problem using the troubleshooting information in your product documentation, contact customer support services for assistance. If customer support for your area is not listed below, contact the dealer where you purchased your product.

Customer support will be able to help you much more quickly if you give them the following information:

- ❏ Product serial number
  (The serial number label is usually on the back of the product.)
- ❏ Product model
- ❏ Product software version
  (Click **About**, **Version Info**, or similar button in the product software.)
- ❏ Brand and model of your computer
- ❏ Your computer operating system name and version
- ❏ Names and versions of the software applications you normally use with your product

Help for Users in Europe

Check your **Pan-European Warranty Document** for information on how to contact EPSON Customer support.

Help for Users in Australia

Epson Australia wishes to provide you with a high level of customer service. In addition to your product documentation, we provide the following sources for obtaining information:

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Your Dealer

Don't forget that your dealer can often help identify and resolve problems. The dealer should always be the first call for advise on problems; they can often solve problems quickly and easily as well as give advise on the next step to take.

Internet URL http://www.epson.com.au

Access the Epson Australia World Wide Web pages. Worth taking your modem here for the occasional surf! The site provides a download area for drivers, Epson contact points, new product information and technical support (e-mail).

Epson Helpdesk

Epson Helpdesk is provided as a final backup to make sure our clients have access to advice. Operators on the Helpdesk can aid you in installing, configuring and operating your Epson product. Our Pre-sales Helpdesk staff can provide literature on new Epson products and advise where the nearest dealer or service agent is located. Many types of queries are answered here.

The Helpdesk numbers are:

Phone: 1300 361 054

Fax: (02) 8899 3789

We encourage you to have all the relevant information on hand when you ring. The more information you prepare, the faster we can help solve the problem. This information includes your Epson product documentation, type of computer, operating system, application programs, and any information you feel is required.

Help for Users in Singapore

Sources of information, support, and services available from Epson Singapore are:

World Wide Web (http://www.epson.com.sg)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), Sales Enquiries, and Technical Support via e-mail are available.

Epson HelpDesk (Phone: (65) 6586 3111)

Our HelpDesk team can help you with the following over the phone:

- ❏ Sales enquiries and product information

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- ❏ Product usage questions or problem
- ❏ Enquiries on repair service and warranty

Help for Users in Thailand

Contact for information, support, and services are:

World Wide Web (http://www.epson.co.th)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), and e-mail are available.

Epson Hotline (Phone: (66)2685-9899)

Our Hotline team can help you with the following over the phone:

- ❏ Sales enquiries and product information
- ❏ Product usage questions or problem
- ❏ Enquiries on repair service and warranty

Help for Users in Vietnam

Contacts for information, support, and services are:

Epson Hotline (Phone): 84-8-823-9239

Service Center: 80 Truong Dinh Street, District 1, Hochiminh City Vietnam

Help for Users in Indonesia

Contacts for information, support, and services are:

World Wide Web (http://www.epson.co.id)

- ❏ Information on product specifications, drivers for download
- ❏ Frequently Asked Questions (FAQ), Sales Enquiries, questions through e-mail

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Epson Hotline

- ❏ Sales enquiries and product information
- ❏ Technical support

Phone	(62) 21-572 4350
Fax	(62) 21-572 4357

Epson Service Center

Jakarta	Mangga Dua Mall 3rd floor No 3A/B Jl. Arteri Mangga Dua, Jakarta Phone/Fax: (62) 21-62301104
Bandung	Lippo Center 8th floor Jl. Gatot Subroto No.2 Bandung Phone/Fax: (62) 22-7303766
Surabaya	Hitech Mall lt IIB No. 12 Jl. Kusuma Bangsa 116 – 118 Surabaya Phone: (62) 31-5355035 Fax: (62)31-5477837
Yogyakarta	Hotel Natour Garuda Jl. Malioboro No. 60 Yogyakarta Phone: (62) 274-565478
Medan	Wisma HSBC 4th floor Jl. Diponegoro No. 11 Medan Phone/Fax: (62) 61-4516173
Makassar	MTC Karebosi Lt. Ill Kav. P7-8 JI. Ahmad Yani No.49 Makassar Phone: (62)411-350147/411-350148

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Help for Users in Hong Kong

To obtain technical support as well as other after-sales services, users are welcome to contact Epson Hong Kong Limited.

Internet Home Page

Epson Hong Kong has established a local home page in both Chinese and English on the Internet to provide users with the following information:

- ❏ Product information
- ❏ Answers to Frequently Asked Questions (FAQs)
- ❏ Latest versions of Epson product drivers

Users can access our World Wide Web home page at:

http://www.epson.com.hk

Technical Support Hotline

You can also contact our technical staff at the following telephone and fax numbers:

Phone: (852) 2827-8911

Fax: (852) 2827-4383

Help for Users in Malaysia

Contacts for information, support, and services are:

World Wide Web (http://www.epson.com.my)

- ❏ Information on product specifications, drivers for download
- ❏ Frequently Asked Questions (FAQ), Sales Enquiries, questions through e-mail

Epson Trading (M) Sdn. Bhd.

Head Office.

Phone: 603-56288288

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Fax: 603-56288388/399

Epson Helpdesk

- Sales enquiries and product information (Infoline)

  Phone: 603-56288222

- Enquiries on repair services & warranty, product usage and technical support (Techline)

  Phone: 603-56288333

Help for Users in India

Contacts for information, support, and services are:

World Wide Web (http://www.epson.co.in)

Information on product specifications, drivers for download, and products enquiry are available.

Epson India Head Office - Bangalore

Phone: 080-30515000

Fax: 30515005

Epson India Regional Offices:

Location	Telephone number	Fax number
Mumbai	022-28261515 /16/17	022-28257287
Delhi	011-30615000	011-30615005
Chennai	044-30277500	044-30277575
Kolkata	033-22831589 / 90	033-22831591
Hyderabad	040-66331738/ 39	040-66328633
Cochin	0484-2357950	0484-2357950
Coimbatore	0422-2380002	NA
Pune	020-30286000 /30286001/30286002	020-30286000
Ahmedabad	079-26407176 / 77	079-26407347

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Helpline

For Service, Product info or to order a cartridge - 18004250011 (9AM - 9PM) - This is a Toll-free number.

For Service (CDMA & Mobile Users) - 3900 1600 (9AM - 6PM) Prefix local STD code

Help for Users in the Philippines

To obtain technical support as well as other after sales services, users are welcome to contact the Epson Philippines Corporation at the telephone and fax numbers and e-mail address below:

Phone: (63) 2-813-6567

Fax: (63) 2-813-6545

E-mail: epchelpdesk@epc.epson.com.ph

World Wide Web (http://www.epson.com.ph)

Information on product specifications, drivers for download, Frequently Asked Questions (FAQ), and E-mail Enquiries are available.

Epson Helpdesk (Phone: (63) 2-813-6567)

Our Hotline team can help you with the following over the phone:

- ❏ Sales enquiries and product information
- ❏ Product usage questions or problems
- ❏ Enquiries on repair service and warranty

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